



People
Innovation
Excellence

CATALOG

2018 - 2019



Certificate No. AU96/00995



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CATALOG

2018 - 2019



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Preface

Thanks to God Almighty, the BINA NUSANTARA Foundation has succeeded in developing BINUS UNIVERSITY to be a recognized and highly valued educational institution, not only for all the Indonesian people from all paths of life in general but also for the educational world in particular. BINUS as an educational institution has shown its continued commitment to delivering excellent and relevant quality education to industries need. In order to achieve the international quality standard, we continuously strive our best to provide students with an excellent learning process, contemporary course materials, and professional human resources to deliver knowledge and skills. Additionally, we apply the student-centered learning method, develop internationally recognized curricula with our industrial and international partners. Also, we measure and improve our quality in accordance with ISO 9001:2008 (since 1997), education criteria for performance excellence based on MBNQA (Malcolm Baldrige National Quality Award). Awarded for nine times since 2007, BINUS University becomes the winner of Indonesian MAKE Award (Most Admired Knowledge Enterprise) in 2016, which confers the university several special recognitions such as “Admirable Strong Internal Commitment” in 2011, and “Admirable Consistency in Improving Knowledge Management Implementation” in 2013. BINUS University also received the award of 2014 Asian MAKE Winner in the following year.

As our commitment to ensuring the delivery of world-class education, BINUS UNIVERSITY endeavors to achieve national and international accreditation. For national accreditation, 16 programs in BINUS UNIVERSITY received “A” accreditation from National Accreditation Board for Higher Education (BAN-PT) of the Republic of Indonesia in 2017. BINUS UNIVERSITY also earned an award as “BEST PRIVATE UNIVERSITY” from Private University Coordinator (KOPERTIS) for Region III DKI Jakarta since 2012. The recent achievement in 2016, BINUS UNIVERSITY institution becomes one of the universities in Indonesia that awarded “A” in institution accreditation (AIPT) of BAN-PT.

In succession of national accreditation, BINUS UNIVERSITY also eagers to achieve international accreditation from some reputable international accreditation boards. In 2015, The international program of accounting became the only one program in Indonesia obtaining EPAS accreditation from the European Foundation for Management Development (EFMD). Also, in 2015 BINUS UNIVERSITY received ABET (Accreditation Board for Engineering and Technology) accreditation for Industrial Engineering, Civil Engineering, and Computer Engineering study programmes. As for the Hotel Management program, BINUS UNIVERSITY has been awarded TEDQUAL accreditation, an international accreditation system for tourism and hospitality education. BINUS Business School is also targeting an accreditation from The Association to Advance Collegiate Schools of Business (AACSB), one of reputable global business education network and associations from the USA. In 2018, BINUS UNIVERSITY also achieved the QS 4 Stars Rating System.

In order to increase the students’ readiness in facing global competition, we prepare a one-year enrichment program starting from Binusian 2018. The objectives of this enrichment program are to facilitate student to apply their knowledge and skills as they obtain in their learning process. At the end of the study, students will get involved in various enrichment programs such as industrial experience, twinning program, research, business startup, and community development.

With 37 years of exceptional experience in education, 102.980 alumni of BINUS UNIVERSITY is ready to become an international educational institution. BINUS UNIVERSITY is designed to support graduates to gain excellent global career opportunities. BINUS UNIVERSITY offers single and double major programs in collaboration with prominent overseas universities to improve the qualifications of graduates. In the double major program, graduates will be conferred two bachelor degrees.

This catalog provides a compilation of comprehensive information concerning the BINUS UNIVERSITY, its history, aims, vision and mission, organizational structure and quality management system. It also describes the educational systems applied to the diploma programs, undergraduate programs, postgraduate programs and doctoral programs. This catalog also described the competence and curricula of each study program consisting of the distribution of subjects and prerequisites and the syllabi of each

subject. There is brief information at the end of this catalog concerning the development of the BINUS UNIVERSITY students.

We expect that this catalog can be of great insight for all the “stakeholders” of the BINUS UNIVERSITY in general and its academic community in particular. Consequently, it assists the institution as a principle in guiding and providing service to both students and candidates as well as a communication media to Indonesian altogether.

BINUSIANS aim to be a part of recognized visionary communities as a leader in Information Technology (IT). BINUS UNIVERSITY prepares BINUSIANS to be successful professionals or entrepreneurs through global learning system approach, IT-based independent learning, core competence and clear pathways in various study programs, and last but not least, through character building subjects. In achieving this aim, BINUS UNIVERSITY will always increase its quality as an education provider. The innovative-flexible program, on-time lecturing program, and high-qualified lecturers have supported the implementation of such standard in BINUS UNIVERSITY.

As a closing remark, I would like to convey the greatest gratitude to all those involved in preparing and completing the catalog.

Jakarta, September 2018



Prof. Dr. Ir. Harjanto Prabowo, M.M.
Rector of BINUS UNIVERSITY

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1. General Information

1.1 History and Development of BINUS UNIVERSITY

BINUS UNIVERSITY was established on 21st October 1974 as a short-term Computer Education Institution called *Modern Computer Course (MCC)*. Due to its strong foundations, vision, and continual dedication, the institution continues to develop and grow.

On the 1st of July 1981, the educational institution developed into Akademi Teknik Komputer (ATK) with an Informatics Management Department due to the high demand the industry. Three years later, on 13th of July 1984, ATK obtained Registered Status and changed into *AMIK Jakarta*. Then on 1st of July 1985, the Department of Computerized Accounting was opened, and *AMIK Jakarta* transformed into *AMIK BINA NUSANTARA* on 21st of September 1985. In its earlier stage, *AMIK BINA NUSANTARA* was selected as The Best Computer Academy by the Department of Culture and Education through Kopertis on 17th March 1986. Due to increasing market requirements and the demand of experts in Information technology, on the 1st of July 1986, *STMIK BINA NUSANTARA* established the Undergraduate Program (S1) of Informatics Management, Computer Science, and Computer Engineering (S1) department.

On November 9th, 1987, *AMIK BINA NUSANTARA* became *STMIK BINA NUSANTARA* and started to develop Diploma Programs (D3) and other Undergraduate Programs (S1). *STMIK BINA NUSANTARA* succeeded in obtaining the accredited status for all departments and programs on March 18th, 1992 and opened the Postgraduate Magister Management Information Systems on 10th of May 1993, as one of the first postgraduate programs for Information Systems in Indonesia.

On 8th August 1996, BINUS UNIVERSITY was accredited and acknowledged by the government. STMIK BINA NUSANTARA merged into BINUS UNIVERSITY on 20th December 1998, and at present consists of the following Schools and Faculties: School of Computer Science, School of Information Systems, School of Design, Faculty of Engineering, Faculty of Humanities, Faculty of Economics and Communication, also BINUS Business School, BINUS International and Graduate Programs.

BINUS UNIVERSITY as an educational institution has shown its continued commitment to be the best in delivering quality education and research that is relevant to industrial needs. In achieving the international quality standard, we continuously make our best effort to provide students with an excellent learning process, contemporary course materials, and professional human resources to deliver knowledge and skill. We also put our endeavour on building strength in high impact research and leveraging international programs. Additionally, we apply the student-centred learning method, develop internationally recognized curricula with our industrial and international partners, and always measure and improve our quality as required by ISO 9001:2008 (since 1997).

With 37 years of exceptional experience in education, 102.980 alumni, and currently enrolled 31.196 students, BINUS UNIVERSITY is ready to enter international education. BINUS International runs innovative and flexible programs conducted in a state-of-the-art facility, taught by internationally qualified lecturers.

BINUS UNIVERSITY INTERNATIONAL (BUI), established in 2001, was designed to help graduates in building an optimal global career. BUI offers single and double degree international undergraduate programs through a strategic partnership with reputable universities in Asia, Australia, New Zealand, the United Kingdom, and Europe. In the dual degree programs, the graduates will be awarded both a bachelor's degree from our overseas university partners and a BINUS 'Sarjana' degree. Today, BUI has strategic partnerships with several Australian Universities: the University of New South Wales, Macquarie University, the Queensland University of Technology, the Royal Melbourne Institute of Technology (RMIT), and the University of Wollongong; with UK and European universities: the Bournemouth University, the University of Nottingham, the Northumbria University, the IESEG School of Management, the Saxion University of Applied Sciences, and the Cologne Business School; with Asian universities: the Solbridge International School of Business and the International College Ningbo University; and with New Zealand universities: the Auckland University of Technology and the Victoria University of Wellington. We are now offering programs in Graphic Design and New Media, Fashion Design, Communication, Computer Science, Business Information System, International Accounting and Finance, Business Management and Marketing, and International Business. The excellent relationship and cooperation between BINUS UNIVERSITY and top overseas universities have provided our students with a wide range of global experience and opportunities.

The rapid growth of BINA NUSANTARA has led to the establishment of a training centre continued education, named BINUS CENTER, in 2002. BINUS CENTER offers various training topics in ICT, Design & Animation, and Language. Up to this point, it has more than 15 branches all over Indonesia, and it's proliferating.

BINUS GRADUATE PROGRAM (BGP) was introduced in 2007. BGP is also a development from Postgraduate Program at BINUS UNIVERSITY. The BGP focuses on Master of Information Technology, Master of Information System Management, Master of Industrial Engineering, Master of Accounting, Master of Communication Science, and Doctor of Computer Science.

In 2010, BINUS SQUARE-Hall of Residence was a response to the need of BINUS student accommodation to support the learning and to teach experience at the international level. The building with four halls and 17 floors and 1,500 rooms is a modern boarding complex, a home away from home that provides safety and comfort as well as educational values through integrated programs with BINUS UNIVERSITY for all its residents.

In fulfilling its vision to be a world-class educational institution, BINUS UNIVERSITY is firmly committed to improving its academic performance as well as infrastructure quality. The manifestation is represented in the establishment of the BINUS UNIVERSITY @Alam Sutera; the latest project of Bina Nusantara. The commitment of BINUS UNIVERSITY to become a world-class university is actualized by obtaining international accreditations, i.e. *The European Foundation for Management Development (EFMD) – EPAS* for Accounting Department (2014), and *Accreditation Board for Engineering and Technology, Inc (ABET)* for Industrial Engineering (2013), Computer Engineering (2015), Civil Engineering (2015) and **TEDQUAL** (2018) for Hotel Management.

The BINUS UNIVERSITY @Alam Sutera campus was established to cater to the needs of parents and students who reside in Tangerang and its surrounding areas of high-quality education quality and facility. Since September 2014, BINUS UNIVERSITY commenced operating as the main campus located in Jl. Jalur Sutera Barat Kav.21 Alam

Sutera with 18.410 m² building complex that can accommodate no less than 5.600 students. This new campus offers various study programs such as Computer Science, Information Systems, Management, International Marketing, International Business Management, Business Creation, Accounting, Finance, Marketing Communication, Mass Communication, Animation, New Media, Chinese Literature, and Food Technology.

BINUS has opened BINUS UNIVERSITY LEARNING COMMUNITY (BULC) in three cities in Indonesia; they are Palembang, Semarang and Malang. BULC is established to support Distance Learning programs (PJJ) or Online Learning. Online Learning will be beneficial for the students, who followed the plans, because they need not leave their city to get a flexible and excellent education such BINUS UNIVERSITY offered.

BINUS UNIVERSITY as an educational institution is committed to continually making an improvement and innovation to advance the quality of education and strive to get closer to the community. Therefore, BINUS UNIVERSITY expands its presence in Bekasi where the main campus is located in Jl. Lingkar Bulevar Blok WA No. 1 Summarecon Bekasi. BINUS Bekasi main campus will focus on Business and Service Management that is based on Knowledge Innovation and ICT with two program options, namely; Binus Online Learning in Management - Business Management, Information Systems - Corporate Information Systems, Accounting, Marketing Management, Information Systems, Computerized Accounting, Accounting, Computer Science and BINUS UNIVERSITY regular programs majoring in Business Information Technology and Business Management.

BINUS UNIVERSITY is committed to providing a comfortable place for students to learn. All facilities such as classrooms are equipped with sophisticated technology to ensure students to have an exciting learning experience. Besides facilities, students can enjoy all other facilities in many of our locations such as in Syahdan, Anggrek, Kijang, Alam Sutera, JWC and Bekasi.

Faculty, School, and Department / Program in BINUS UNIVERSITY

No	Faculty, School, and Department / Program	Program
1.	School of Computer Science	
	• Computer Science*	S1
	• Mobile Application and Technology	S1
	• Mathematics & Computer Science	S1
	• Statistics & Computer Science	S1
	• Mathematics*	S1
	• Statistics*	S1
	• Game Application and Technology	S1
	• Cyber Security	S1
2.	School of Information Systems	
	• Information Systems*	S1
	• Accounting Information Systems	S1
	• Information Systems Audit	S1
	• Information Systems & Accounting	S1
	• Information Systems & Management	S1
	• Business Information Technology	S1

General Information

No	Faculty, School, and Department / Program	Program
3.	School of Design <ul style="list-style-type: none"> Visual Communication Design: <ul style="list-style-type: none"> New Media Animation Creative Advertising Interior Design Film 	S1 S1 S1 S1 S1
4.	Faculty of Engineering <ul style="list-style-type: none"> Architecture Civil Engineering Industrial Engineering Computer Engineering Food Technology Professional Engineer Program 	S1 S1 S1 S1 S1 Professional
5.	BINUS ASO School of Engineering <ul style="list-style-type: none"> Automotive & Robotics Engineering Product Design Engineering BASE 	S1 S1
6.	Faculty of Humanities <ul style="list-style-type: none"> Chinese Literature English Literature Japanese Literature Psychology Business Law International Relations Primary Teacher Education 	S1 S1 S1 S1 S1 S1 S1
7.	Faculty of Economics and Communication <ul style="list-style-type: none"> Accounting: <ul style="list-style-type: none"> Accounting* Accounting Technology Finance Hotel Management Hospitality Management Hospitality Management – Culinary Arts Tourism Communication: <ul style="list-style-type: none"> Marketing Communication Mass Communication 	S1 S1 S1 DIV DIV DIV S1 S1 S1
8.	BINUS Business School (BBS) <ul style="list-style-type: none"> Undergraduate Program: <ul style="list-style-type: none"> Management* International Marketing International Business Management Business Creation Business Management 	S1 S1 S1 S1 S1

No	Faculty, School, and Department / Program	Program
	BINUS Business School (BBS) <ul style="list-style-type: none"> Undergraduate Program (International): <ul style="list-style-type: none"> International Business Business Management & Marketing Master Program: <ul style="list-style-type: none"> MM Young Professional: <ul style="list-style-type: none"> Business Management Creative Marketing MM Professional Business Management MM Business Management – Blended Learning MM Executive Management Doctorate Program <ul style="list-style-type: none"> Doctor of Research in Management 	S1 S1 S2 S2 S2 S2 S2 S3
9.	Graduate Program <ul style="list-style-type: none"> Master Program: <ul style="list-style-type: none"> Information Technology Information System Management Industrial Engineering Accounting Communication Science Doctorate Program <ul style="list-style-type: none"> Doctor of Computer Science 	S2 S2 S2 S2 S2 S3
10.	International Programs <ul style="list-style-type: none"> International Accounting & Finance Computer Science Business Information Systems Fashion Design Graphic Design & New Media Communication 	S1 S1 S1 S1 S1 S1

*) Undergraduate also available for Double Degree program

1.2 Meaning of BINA NUSANTARA

The name BINA NUSANTARA originated when...

The founders desired to help the government increase the potential of human resources across the whole archipelago.

Admiral R. Rudy Poerwana (posthumous) proposed the name as one of the founders of BINA NUSANTARA Institute.

By the name, the student body of BINA NUSANTARA UNIVERSITY is made up of high school graduates who come from the whole region of Indonesia, from Sabang to Merauke. This is reflected in hundreds of scholarships which are offered to high school graduates from the whole of Indonesia.

BINA NUSANTARA will always generate efforts and resources to develop the nation and the country.

1.3 The Tagline of BINUS UNIVERSITY

The tagline of BINUS UNIVERSITY is:

“People. Innovation. Excellence.”

1.4 Vision & Mission of BINUS UNIVERSITY

Vision: *“A world-class university...*

in continuous pursuit of innovation and enterprise.”

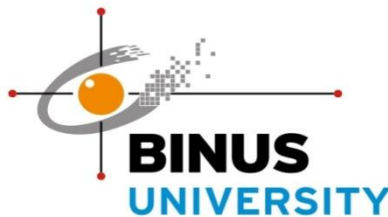
World Class University	: Bina Nusantara University has gained an international reputation as a high-quality education institution
Innovation	: Bina Nusantara University incorporates economic principles in developing the knowledge to advance the practical value in generating the superior quality works of stakeholders
Enterprise	: Bina Nusantara University develops an innovative business practice for individuals and groups to invigorate positive changes either at the local or international market

Mission:

The mission of BINUS UNIVERSITY is to contribute to the global community through the provision of world-class education by:

- Recognizing and rewarding the most creative and value-adding talents.
- Providing world-class teaching, learning and research experience that foster excellence in scholarship, innovation and entrepreneurship.
- Creating outstanding leaders for the global community.
- Conducting professional services with an emphasis on the application of knowledge to society.
- Improving the quality of life of Indonesians and the international community.

1.5 The Symbol of BINUS UNIVERSITY



Philosophical background of the symbol

The symbol consists of three parts with the following meanings:

- Eye symbol: Focus and ready to observe.
- Digital Image: Has the latest information technology as a base.
- Four lines stretch to the four directions: Global mindset.

Philosophical background of the colours

The colours used are yellow, grey and red with the following meanings:

- Orange represents the sharpness and brilliance of mind.
- Grey reflects forward thinking, modern and smart.
- Red symbolizes the dynamic and innovative.

1.6 March of BINUS UNIVERSITY

Dengarkanlah negara panggilan dikau
Gegap gempita bunyi genderang
Pahlawan ilmu tingkatkanlah semangatmu
Untuk nusa dan bangsa

Univ. BINA NUSANTARA, derapkanlah maju terus
Sebagai wadah nusa dan bangsa, Negara Indonesia
Memberantas keterb'lakangan, yang menghambat pembangunan
T'rus berbaktilah dan pantang mundur
Dengan gigih t'rus majulah
Univ. BINA NUSANTARA, bangkitkanlah putra-putrimu
Dengan semangat dan cita-cita, Indonesia adil makmur
Univ. BINA NUSANTARA

1.7 BINUSIAN

BINUSIAN refers to BINA NUSANTARA community which consist of the whole academic community (*civitas academica*) at BINA NUSANTARA, including all those who contribute in some way, through managing or attending parts of the education and training process. They have a solid vision, become innovative in their fields, and keep one step ahead in Science and Technology, mainly when based on Information Technology.

BINUSIAN aims to be a part of the visionary community, as well as to be accepted as a leader in Information Technology (IT). BINUS UNIVERSITY prepares each BINUSIAN to be successful professional or entrepreneur through Multi-Channel Learning (MCL) Method, independent learning and IT media, core competence and clear pathway in various study programs, and character building program. To achieve the BINUSIAN's aim, BINUS UNIVERSITY will always increase its quality as an education provider. To implement such standard, BINUS UNIVERSITY is supported by innovative, flexible and on-time lecturing program and high qualified lecturers.

BINUSIAN Mascot:**Meaning of BINUSIAN Mascot:****Why Bee?**

- A bee is a hard-working insect, also known for its diligence, and loyalty to its community.
- A bee is highly creative and talented, as this is seen from its unusual geometric beehive.
- A bee produces something that is useful for itself and others (honey), by getting the flowers pollen without destroying it, also helping its pollination.
- A bee's ability to fly proves that a bee is highly flexible and mobile.

Human Features

- By having the shape and movement of a human, the mascot represents the character of a BINUSIAN with the qualities of a bee.
- The simplification of a bee's shape has been made to make it more friendly and intelligent.

Luminescent Antenna

The function of the antenna is to improve the bee's awareness of its surroundings and to improve its navigation system to guide its high mobility. In this mascot, the luminescent effect of the antenna is to illustrate the ability to absorb information and knowledge (and to distinguish this mascot from an ordinary bee).

Mascot colour is similar to BINUS colour

Yellow and Black are the distinctive colours of a bee which are also the colours of BINUS.

1.8 March of BINUSIAN

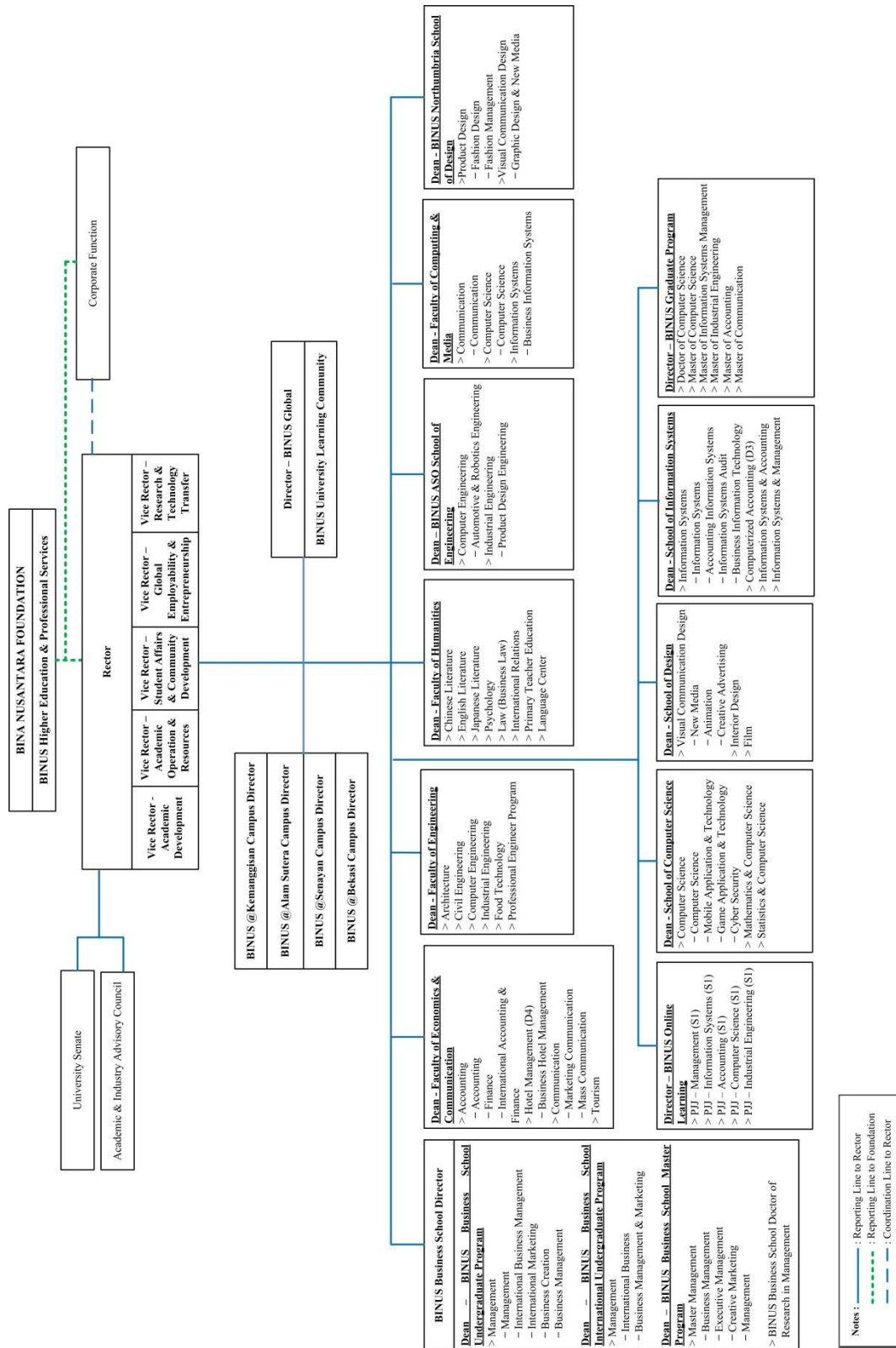
Dengar semua para BINUSIAN
 Panggilan nusa dan bangsa telah menanti
 Sambutlah dengan visi inovatif
 Songsonglah dengan sikap positif
 Dan selalu menjadi yang terdepan.
 Ayo kita berjuang demi ibu pertiwi
 Dengan karya bermanfaat
 Ayo kita berbakti untuk sesama
 Dengan karya nyata
 Semuanya demi pembangunan bangsa.

1.9 BINUS Value

Based on our belief in God, our passion for education, and our view of a bright future, we are committed to developing the nation and to building a global community through education and technology. This commitment is reflected in the values of Bina Nusantara, which become the guidance of our actions:

- **Striving for excellence**
We continuously do our best to achieve high-quality results in every aspect of our work.
- **Perseverance**
We stay calm, focused, never give up, and quickly recover in overcoming challenges.
- **Integrity**
We are honest, transparent, sincere, and courageous in doing the right thing.
- **Respect**
We care for others; we value differences and contributions from every individual.
- **Innovation**
We encourage creative, breakthrough, and sustainable ideas to continuously improve processes to achieve better results.
- **Teamwork**
We believe in the importance of collaborative, effective, and trustful working relationships as one team.

1.10 Organizational Chart of BINUS UNIVERSITY



Supporting Units List

<p><u>Academic Support Units</u></p> <p>BINUS University</p> <ul style="list-style-type: none"> > Quality Management Center > Marketing <p><u>Vice Rector - Academic Development</u></p> <ul style="list-style-type: none"> > Academic Resource Center > Lecturer Resource Center > Character Building Development Center > Accreditation and Academic Quality Assurance <ul style="list-style-type: none"> > Human Capital & Legal > Learning & Development <p><u>Vice Rector – Academic Operations & Resources</u></p> <ul style="list-style-type: none"> > Academic Operation Center > Student Registration and Scheduling Center > Student Services Center > BINUS Graduate Program Office > Library and Knowledge Center > Software Laboratory Center > Resources Management <ul style="list-style-type: none"> > Finance > Internal Audit > General Affairs > Information Technology <p><u>Vice Rector – Student Affairs and Community Development</u></p> <ul style="list-style-type: none"> > Student Advisory & Support Center > Student Club & Activity Center > Student Development Center > Community Development Center (Academic) > Community Development Center (TFI) > Program Development Center <p><u>Vice Rector – Global Employability & Entrepreneurship</u></p> <ul style="list-style-type: none"> > BINUS Entrepreneurship Center > Alumni Relations Office > BINUS Career Center > Employability & Entrepreneurship Center > Business Incubator <p><u>Vice Rector – Research & Technology Transfer</u></p> <ul style="list-style-type: none"> > Research & Technology Transfer Office > Bioinformatics & Data Science Research Center > Research Interest Group > Publication > Technology Transfer > Center for Social & Business Empowerment > Center for Intelligent System 	<p><u>Campus</u></p> <p><u>BINUS University</u></p> <p><u>Director – BINUS @Kemanggisan Campus</u></p> <p><u>Director – BINUS @Alam Sutera Campus</u></p> <ul style="list-style-type: none"> > Lecturer Services Center > Student Services Center > Laboratory Center > Student Advisory Center > Business Incubator <p><u>Director – BINUS @Bekasi Campus</u></p> <ul style="list-style-type: none"> > Academic & Student Development > Operations <p><u>Director – BINUS @Senayan Campus</u></p> <ul style="list-style-type: none"> > Student & Operation <ul style="list-style-type: none"> > Operations > Overseas Program > Student Advisory Center > Language Center > Center for Innovation, Design & Entrepreneurship Research (CIDER) > Lecturer & Academic Development Specialist <p><u>Director – BINUS Business School</u></p> <ul style="list-style-type: none"> > Academic Development & Assurance > BINUS Case Center <p><u>Dean – BINUS ASO School of Engineering</u></p> <ul style="list-style-type: none"> > Academic Operation & Student Services <p><u>Director – BINUS Global</u></p> <ul style="list-style-type: none"> > BINUS International Office > BINUS Global Class > BINUS Collaboration Center > International Communication & Student Recruitment <p><u>Director - BINUS Online Learning</u></p> <ul style="list-style-type: none"> > Academic & Product Development > Operation <p><u>Director - BINUS University Learning Community</u></p> <ul style="list-style-type: none"> > BINUS University Learning Community – Palembang > BINUS University Learning Community – Semarang 	<p>BINUS Higher Education & Professional Services</p> <p><u>Director - Quality Assurance & Provost</u></p> <ul style="list-style-type: none"> > Certification & Recognition Prior Learning Specialist <p><u>Senior Manager - President's Office</u></p> <ul style="list-style-type: none"> > Rector's Office > BINUS Institutional Development Center > Data Analytics & Business Process Analyst <p><u>Director – BINUS Creates</u></p> <ul style="list-style-type: none"> > BBS Executive Education > Professional Services > Business Venture <p><u>Director – Knowledge Management & Innovation</u></p> <ul style="list-style-type: none"> > Knowledge Multimedia > Digital-Media Development > Knowledge Innovation > Knowledge System > Knowledge Product
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1.11 Campus Location

Syahdan Campus

Jl. K. H. Syahdan No. 9, Kemanggisan/Palmerah, Jakarta Barat 11480

Tel : (+62-21) 534-5830, (+62-21) 535-0660

Fax : (+62-21) 530-0244

Anggrek Campus

Jl. Kebon Jeruk Raya No. 27, Kebon Jeruk, Jakarta Barat 11530

Tel : (+62-21) 53-69-69-69, (+62-21) 53-69-69-99

Fax : (+62-21) 535-0655

Kijang Campus

Jl. Kemanggisan Ilir III No. 45, Kemanggisan/Palmerah, Jakarta Barat 11480

Tel: (+62-21) 532-7630

Fax: (+62-21) 533-2985

The Joseph Wibowo Center for Advanced Learning (JWC) Campus

Jl. Hang Lekir I No. 6, Senayan, Jakarta Selatan 10270

Tel: (+62-21) 720-2222, 720-3333

Fax : (+62-21) 720-8569, (+62-21) 720-5555

Alam Sutra Campus

Jl. Jalur Sutra Barat Kav. 21, Alam Sutera, Serpong, Tangerang 15143

Tel : (+62-21) 53-69-69-19

Fax : (+62-21) 536-74042

Bekasi Campus

Jl. Lingkar Bulevar Blok WA No.1, Summarecon Bekasi

Kelurahan Marga Mulya, Kecamatan Medan Satria, Bekasi 17142

Tel: (+62-21) 2928-5598

Fax: (+62-21) 2928-5596

BINUS Northumbria School of Design (BNSD)

fX Sudirman, f6, Jl. Jend. Sudirman, Pintu Satu Senayan, Jakarta Pusat 10270

Tel: (+62-21) 720-2222 ext. 7951

BINUS ASO School of Engineering (BASE)

Jl. Alam Sutera Boulevard No. 1, Alam Sutera, Tangerang 15325

Tel : (+62-21) 53-69-69-69, (+62-21) 53-69-69-99 ext. 6608

Fax : (+62-21) 535-0655

BINUS UNIVERSITY Learning Community (BULC) Palembang

Rukan Taman Harapan Indah, Jl. Letda A. Rozak No. B3 & B5, Palembang 30114

Tel : (+62-711) 562-6222

Fax : (+62-711) 562-6666

BINUS UNIVERSITY Learning Community (BULC) Semarang

Gedung Griya Bina Artha (Gedung Bank Jateng), Lantai 3

Jl. Pemuda No. 142, Semarang 50132

Tel : (+62-24) 356-9090

Fax : (+62-24) 358-3836

BINUS UNIVERSITY Learning Community (BULC) Malang

Jl. Green Boulevard No. 1, Kota Araya, Malang 65126

Tel: (+62-341) 303-6969

Fax: (+62-24) 303-6868

Homepage : www.binus.ac.id

E-mail : informasi@binus.edu

1.12 Quality Management System at BINUS UNIVERSITY

BINUS UNIVERSITY believes that the implementation of the internationally recognized standard in a quality management system for education institution is paramount. In this sense, the government regulation regarding the national standards based on Permenristek 44/2015, and ISO 9001 certificate play a role as one of the ultimate international recognition of global quality.

BINUS UNIVERSITY is the first higher education institution in Indonesia that achieved ISO 9001 certification in November 1997, for its application and implementation of quality management system in the scope of design of curriculum and lecture materials, education, teaching, research, and community development.

BINUS UNIVERSITY's ability to consistently provide high-quality education services meets customers' demand and applicable regulatory requirements. It also aims to enhance customers' satisfaction through the effective application of the system, which includes processes for continuous improvement of the BINUS UNIVERSITY's system. With the vision of becoming a world-class university, BINUS UNIVERSITY has implemented Performance Excellence based on Malcolm Baldrige Criteria since 2008 until now. In 2011, BINUS UNIVERSITY applied for the Indonesian Quality Award that is managed by Indonesian Quality Award Foundation (IQAF), and in 2017, BINUS UNIVERSITY achieved the level of Emerging Industry Leader. The commitment of BINUS UNIVERSITY to become a world-class university is also shown not only by obtaining grade A for the national accreditation from BAN – PT at the institutional level, but also by following international accreditations i.e. *The European Foundation for Management Development (EFMD) – EPAS* for Accounting Department (2014), *Accreditation Board for Engineering and Technology, Inc (ABET)* for Industrial Engineering (2013), Computer Engineering (2015), Civil Engineering (2015), and **TEDQUAL** (2018) for Hotel Management.

1.13 Quality Policy of BINUS UNIVERSITY

BINUS UNIVERSITY is committed to providing a world-class education with International Learning Experience that makes positive contributions to the global community.

1.14 Quality Objectives of BINUS UNIVERSITY

To achieve the quality of high qualification and well-prepared graduates, BINUS UNIVERSITY is committed to applying the following quality policy and targets in 2018:

- Two out of every three graduates work at global organizations or become entrepreneurs within six months upon graduation.
- All active students gain international experience.
- Achieving World Class University Rating.
- All Faculty Members have International Papers.
- 500 Intellectual Property Rights are legally registered.
- The Academic Satisfaction Index achieves 80%.
- The Stakeholder Satisfaction Index achieves 85%.

2. Undergraduate Program

2.1 Education System

2.1.1 Method of Education Delivery

The delivery of education services is carried out by using credits (SKS) as a measurement of evaluating students' learning outcomes.

The Credits is a way of organizing higher education programs in order to explain its academic weight.

Semester is a minimum period that describes the duration of the education program.

The General Objective of the credits (SKS) method is to enhance the extent to which higher education can be developed. It involves the presentation of education programs that are flexible and more varied, gives greater opportunity to students when choosing programs, and focuses on planning a definite professional path.

The specific objectives are:

1. Allow the students who are clever and diligent to finish their study in a minimum duration.
2. Allow the students to choose the subject according to their interest, talent, and capacity.
3. Give the possibility to the execution of education system with plural input and output.
4. Facilitate the adaptation of curriculum to a rapid development of knowledge and technology.
5. Enables the evaluation system of advance learning of the students could be conducted optimally.

Basic Characteristic of Credit is:

In credit system, each subject has a weight namely credits. The number of credits of subjects is various. It is determined by the effort to finish the tasks presented in lecture program, job training, practical work, and other tasks. In credit system, each subject is finished in one semester that lasts for 13 weeks (exclude mid exam and final exam). In addition to quantitative valuation, credit system acknowledges that the finishing of study unit could be valued in a quantitative manner by giving a weight to the relevant unit.

At BINUS UNIVERSITY, 1 credit equals to 36-48 hours/semester. To attain the good result, a student is expected to provide 50 minutes face to face for each credit per week, and at least one or two hours of self-learning. The recently mentioned time is provided to recite and explore the material that has been accepted in the course, for example: reading the textbook suggested, doing the task, etc.

One credit is made up of:

1. An academic hour of scheduled face to face learning in the classroom with education staff.
2. An academic hour of structured academic activity which is not scheduled but has been planned by education staff (lecturers) e.g.: review session or seminar.
3. An academic hour of independent academic activity like reading, summarizing, working on papers etc.

The delivery of education at BINUS UNIVERSITY is achieved through teaching materials, discussion, speeches, case studies, job training, and practical work.

2.1.2 Examinations

The examinations which are conducted by BINUS UNIVERSITY consist of course examination and final project/thesis examination.

Course Examination

The examination for each course consists of two forms: Mid-term test (UTS) and Final test (UAS) that are conducted once in each semester.

The form of the examination is standard for all parallel classes with the evaluation system as mentioned in 2.1.3. For the practical examination in the laboratory, the student must take both theory and practical tests.

Final Project/Thesis Examination

Students who finish the report for the final project or thesis take a final project and thesis examination. The mechanism for the final project and thesis examination follows the guidelines for the final project and thesis of each department.

Right to Take the Examination

The right to take the examination is given to students under the following conditions:

- Students are registered during the prevailing semester or academic year and are registered with the subject for that particular examination.
- Students are not on suspension or are taking academic leave.
- Students fulfill other academic requisites, e.g : frequency of attendance.
- Students fulfill all the administrative and financial obligations.

2.1.3 Evaluation System

Calculation of Final Diploma/Undergraduate Score of Theory Course (NAT)

Table 2. Calculation of Final Score of Theory Course (NAT)

Element				
NKK (Attendance)	TMK (Score of Assignment)	NMS (Score of Mid-term Test)	NUS (Score of Final Test)	NAT (Final Score of Theory)
0 %	20 %	30 %	50 %	100 %

Calculation of Semester Final Score (NAS)

There are two kinds of Calculation:

Subjects that have a practical work:

Final Score of Semester (NAS) = (NAT x % Weight of Theory) + (NAP x % Weight of Practical Work)

Subjects that have no practical work:

Final Score of Semester (NAS) = Final Score of Theory (NAT)

Note: Semester Final Score (NAS) determines the grade for the subject.

The evaluation system that meets the objectives of the education program at BINUS UNIVERSITY Diploma/Undergraduate Program is an Absolute Evaluation System.

The Final Score for the semester is presented with the following Alphabetical Values:

Presented with the following Alphabetical Values:

Table 3. Grading System for Diploma and Undergraduate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Distinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Distinction
B-	2.5	70 – 74	
C	2	65 – 69	Pass
D	1	50 – 64	Near Pass
E	0	0 – 49	Fail
F	0	-	Incomplete

2.1.4 Credits Load in One Semester

Study load in one semester can be determined by individual ability and by looking at the students' results from the last semester, which are measured by Semester Grade Point Average (IPS/GPS), or all of the semesters by Cumulative Grade Point Average (IPK/GPA).

Semester Grade Point Average (IPS/GPS) is counted as follow:

$$\text{GPS} = \frac{\sum (KN)}{\sum K} = \frac{\sum M}{\sum K}$$

Cumulative Grade Point Average (IPK/GPA) is counted as follow:

$$\text{GPA} = \frac{\sum M}{\sum L}$$

K = Number of credits taken in related semester

N = Weight of each subject taken

M = Conversion Value (K x N)

L = Number of pass credits

The following table explains the number of maximum credits that can be taken by students according to Grade Point Semester.

Table 4. Maximum Study Weight of student for regular program

Semester	Maximum credit that could be taken (Regular Class)
1	20 Credits
2	The Credit taken is determined by distribution of subjects
3	
4	
5	
6	
7	
8 and on wards	10/19/23 Credits

Example of Calculation methods of Grade Point Semester and Grade Point Average:

Table 5. Calculation methods of Grade Point Semester and Grade point average

SUBJECT	FINAL POINT	WEIGHT	CREDIT	CONVERSION
English	A	4	2	8
Character Building	A-	3.67	2	7.34
Linear Algebra	B+	3.33	2	6.66
Discrete Mathematics	B	3	2	6
Entrepreneurship	B-	2.5	2	5
Algorithm and Programming	C	2	4	8
General Management	D	1	2	2
Introduction to Financial Accounting	E	0	4	0
T O T A L			20	43
Number of passing credits : 18 credits				
GPS attained : $43 / 20 = 2.15$				
GPA attained : $43 / 18 = 2.39$				

2.1.5 English MKU Scheme at BINUS UNIVERSITY

English MKU scheme at BINUS UNIVERSITY is based on Business English (Speaking), Academic English (Writing) and TOEFL-based preparation (Internet-based TOEFL/iBT for Reading and Listening),

The entry test is based on Paper-based TOEFL (PBT).

The program consists of two courses:

- English In Focus (2 SKS), specifically aimed at **all beginner-level students** – including Lower Beginner, Beginner, and Upper Beginner levels (310-463 PBT/0-39 iBT) to allow them to achieve the **minimum lower-intermediate** level (480 PBT/55 iBT). It is the pre-requisite course for English Savvy.
- English Savvy (2 SKS), specifically aimed at **lower-intermediate students** (467-497 PBT/51-60 iBT) to allow them to achieve the **minimum intermediate** level (497 PBT/60 iBT).

All details of the score calculation and rubrics are included in the English MKU handbook.

COURSE	GRADE	iBT Score (PBT Score)	BINUS Score
ENGLISH IN FOCUS	A	68 (520) – 120 (677)	90 – 100
	A-	65 (513) – 67 (517)	85 – 89
	B+	63 (503) – 64 (507-510)	80 – 84
	B	60 (497) – 62 (503)	75 – 79
	B-	58 (493) – 59 (497)	70 – 74
	C	55 (480) – 57 (487-490)	65 – 69
	D	47 (457) – 54 (480)	50 – 64
	E	0 (310) – 46 (453)	0 – 49
ENGLISH SAVVY	A	73 (533) – 120 (677)	90 – 100
	A-	70 (523) – 72 (533)	85 – 89
	B+	68 (520) – 69 (523)	80 – 84
	B	65 (513) – 67 (517)	75 – 79
	B-	63 (503) – 64 (507-510)	70 – 74
	C	60 (497) – 62 (503)	65 – 69
	D	47 (457) – 59 (497)	50 – 64
	E	0 (310) – 46 (453)	0 – 49

Student must pass **English Savvy** with a minimum Grade of C.

2.1.6 Global Class Programs

BINUS Global Class is a program offered to select students of BINUS UNIVERSITY. For Binusians 2022, Global Class is open for students majoring in:

Alam Sutera Campus:

- Computer Science
- International Business & Management
- International Relations

Global Class students are provided with an enhanced learning experience both inside classrooms and through extra-curricular enrichments. This is one of the main characteristics that separate Global Class from other programs. At least 90% of classes are delivered in English. For one semester during the 3rd year, Global Class students have an integrated study abroad with BINUS' partner universities across Asia, Europe, and Africa. The credits gained are automatically transferred to BINUS at the benefit of the students.

In order to prepare students prior to their study abroad departure, Global Class organizes series of workshops to develop soft skills/life skills needed during study abroad and upon graduation from BINUS. These compulsory workshops are conducted every semester covering different topics. BINUS Global Class collaborates with global industries in Indonesia to invite speakers with extensive international exposure.

In line with BINUS vision, Global Class is designed to produce globally-minded graduates with the skill-set and experience to succeed in the globalized environment of innovation and enterprise. Our approach is to immerse students in international learning environments and cultivate their skills to successfully navigate the globalized world.

2.1.7 The Requirement and Regulation of the Evaluation on the Students' Progress in Studying

The following regulations should be applied for BINUSIAN in evaluating their progress in studying:

Year	End of Term	Minimum requirements for GPA and the number of credits earned		Students who cannot fulfill the minimum requirements will be given:
		GPA	Credits gained with grade A/B/C/D/L	
			Regular Class	
1	1	≤2.00	≤15	A reminder letter which require students to consult with Counselor at Student Advisory Center for Kemanggisan and Student Advisory and Development Center for Alam Sutera Campus or Head of Department/Program
	2	≤2.00	≤30	A reminder letter which require students to consult with Counselor at Student Advisory Center for Kemanggisan and Student Advisory and Development Center for Alam Sutera Campus or Head of Department/Program
2	3	≤2.00	≤45	A reminder letter which require students to consult with Counselor at Student Advisory Center for Kemanggisan and Student Advisory and Development Center for Alam Sutera Campus or Head of Department/Program
	4	≤2.00	≤60	A reminder letter which require students to consult with Counselor at Student Advisory Center for Kemanggisan and Student Advisory and Development Center for Alam Sutera Campus or Head of Department/Program
3	5	≤2.00	≤75	A reminder letter which require students to consult with Counselor at Student Advisory Center for Kemanggisan and Student Advisory and Development Center for Alam Sutera Campus or Head of Department/Program
	6	≤2.00	≤90	A reminder letter which require students to consult with Counselor at Student Advisory Center for Kemanggisan and Student Advisory and Development Center for Alam Sutera Campus or Head of Department/Program

Studying Success Evaluation of Three Successive Semesters

A student that is non-active in three successive semesters (i.e without submitting any formal leave application) is not allowed to continue his/her studies at BINUS UNIVERSITY.

Table of Prerequisites

The students must pass all courses which are stated in the table of prerequisites with minimum score required is D (for certain department, the minimum score required is C).

Tutorial and Multipaper Examination

- Students must attend tutorial courses and multipaper exams which are stated in Quality Controlled Courses List.
- For leave or remedial students, they do not require to follow the tutorial, but they are still required to follow multipaper exams.

Studying Success Evaluation of Diploma Program (DIII), (DIV) and Undergraduate Program (S1)

The students must fulfill the following requirements:

- Passing the final examination of final project/thesis and collect its hard covers.
- Obtaining minimum cumulative credits of 146 (including the thesis) for Undergraduate programs, or a minimum of 110 credits (including the final project) for the Diploma program. The double majors have its own rules. Otherwise stated as elective courses, all courses (Mata Kuliah) are compulsory.
- Achieving GPA at a minimum of 2,00 and finishing all obligatory subjects.
- Passing all of the subjects of Quality Controlled Courses (PM).
- Not having an outstanding loan (finance, library, and administration).

2.1.8 3+1 Curriculum for Undergraduate Programs

In the year 2014/2015, BINUS UNIVERSITY started implementing 3+1 curriculum for all undergraduate programs, which allow students to have a one-year enrichment program. The program consists of 2 semesters with 8 credit units to 16 credit units each. Students may choose 5 tracks for each semester, namely 1) Internship Track; 2) Entrepreneurship Track; 3) Community Development Track; 4) Research Track; 5) Study Abroad Track. By the end of each semester, each student will submit an enrichment report and assessment related to technical competencies in his/ her disciplines and soft skills.

Considering the urgency of enrichment program to achieve learning outcomes, it affects all courses in enrichment program to become one entity. It means that if there is one or more than one failed courses in enrichment program, the whole courses in enrichment program will also be failed.

Internship Track :

The aim of Industrial experience track is to facilitate students in the real industrial setting. By following this track, students will work full time and have exposures to the industrial experience in multinational or top national companies with study program related to job task. The assessment for this track will involve both industry supervisor and faculty member supervisor to give the assessment for students. Through this program, students will also have opportunities for future employability/job offer, and talent grooming (e.g. MT Program, LD Program).

Entrepreneurship Track :

This track provides students with real experiences to become entrepreneurs through business start-ups. Students will come to the office at BINUS Campus from 09.00 – 18.00 from Monday to Friday. The Office will be supported with Coaches, Content & Administration officers, and Program Officers. Student's Entrepreneurship track who's ready with the prototype product to be monetized will be supported internally with links to industry within the program. External supports will be provided by Mentors from industry related to the business Start Up.

Community Development Track :

Community Development is a program conducted by students to achieve the 5th mission of BINUS UNIVERSITY: to improve the quality of life of Indonesian and global community. These initiatives include: 1) Scheduled Voluntary Services incorporated in a Company's Corporate Social Responsibility (CSR) or a Social Foundation's Program; and 2) Community Development activities to improve community's ecosystems. Apart from utilizing their knowledge to design and implement a system in communities (excerpted from their technical competence and soft skill), students will also have direct interaction with local people as well as enjoy the opportunity of living in with them.

Research Track :

This track allows students to get involved in conducting research related to the study program scope. Student will be attached to a team that conducts a research as a junior researcher. The research itself can be conducted in BINUS or outside BINUS (e.g. government research institution, R&D unit in a company). Students can start from writing a research proposal or jump directly into an ongoing research activity in that institution (not necessarily developing a research proposal).

Study Abroad Track :

This track will give students opportunities to have study experience in foreign countries. Courses that are taken by students are transferred directly to the respective courses in BINUS transcripts. Through this track, students will be able to expose themselves to international experiences, such as personal development, academic development, and cultural value.

2.1.9 Final Project/Thesis

To finish the Diploma/Undergraduate program (S1) at BINUS UNIVERSITY, the student must be capable of compiling and presenting the thesis to the examiner.

The thesis compilation must be relevant to the rules of the department. It must be conducted by the individual, guided by a supervisor that is appointed by the head of the department or study program.

2.1.10 Academic Title

Students have the right to carry the academic title from BINUS UNIVERSITY if he/she has fulfilled the requirements to attend graduation. The title given is adapted to the rule of the government.

Table 8. Table of Academic Title

Programs	Study Level	Academic Title
Computer Science	S1	Sarjana Komputer (S.Kom.)
Mobile Application and Technology	S1	Sarjana Komputer (S.Kom.)
Mathematics & Computer Science	S1	Sarjana Komputer (S.Kom.) and Sarjana Sains (S.Si.)
Statistics & Computer Science	S1	Sarjana Komputer (S.Kom.) and Sarjana Sains (S.Si.)
Game Application and Technology	S1	Sarjana Komputer (S.Kom.)
Cyber Security	S1	Sarjana Komputer (S.Kom.)
Information Systems	S1	Sarjana Komputer (S.Kom.)
Accounting Information Systems	S1	Sarjana Komputer (S.Kom.)
Computerized Accounting	DIII	Ahli Madya (A.Md.)
Information Systems Audit	S1	Sarjana Komputer (S.Kom.)
Information Systems & Accounting	S1	Sarjana Komputer (S.Kom.) and Sarjana Ekonomi (S.E.)
Information Systems & Management	S1	Sarjana Komputer (S.Kom.) and Sarjana Ekonomi (S.E.)
Business Information Technology	S1	Sarjana Komputer (S.Kom.)
Visual Communication Design:		
- New Media	S1	Sarjana Seni (S.Sn.)
- Animation	S1	Sarjana Seni (S.Sn.)
- Creative Advertising	S1	Sarjana Seni (S.Sn.)
Interior Design	S1	Sarjana Seni (S.Sn.)
Film	S1	Sarjana Seni (S.Sn.)
Architecture	S1	Sarjana Teknik (S.T.)
Civil Engineering	S1	Sarjana Teknik (S.T.)
Industrial Engineering	S1	Sarjana Teknik (S.T.)
Computer Engineering	S1	Sarjana Teknik (S.T.)
Food Technology	S1	Sarjana Teknologi Pangan (S.T.P.)
Professional Program of Engineer	Professional	Insinyur (Ir.)
Chinese Literature	S1	Sarjana Sastra (S.S.)
English Literature	S1	Sarjana Sastra (S.S.)
Japanese Literature	S1	Sarjana Sastra (S.S.)
Psychology	S1	Sarjana Psikologi (S.Psi.)
Business Law	S1	Sarjana Hukum (S.H.)
International Relations	S1	Sarjana Hubungan Internasional (S.Hub.Int.)
Primary Teacher Education	S1	Sarjana Pendidikan (S.Pd.)

Programs	Study Level	Academic Title
Accounting:		
- Accounting	S1	Sarjana Ekonomi (S.E.)
- Accounting Technology	S1	Sarjana Ekonomi (S.E.)
- Finance	S1	Sarjana Ekonomi (S.E.)
Hotel Management:		
- Hotel Management	DIV	Sarjana Sains Terapan (S.S.T.)
- Hospitality Management	DIV	Sarjana Sains Terapan (S.S.T.)
- Hospitality Management – Culinary Arts	DIV	Sarjana Sains Terapan (S.S.T.)
Tourism	S1	Sarjana Pariwisata (S.Par.)
Communication:		
- Marketing Communication	S1	Sarjana Ilmu Komunikasi (S.Ikom.)
- Mass Communication	S1	Sarjana Ilmu Komunikasi (S.Ikom.)
BINUS ASO School of Engineering		
- Automotive & Robotics Engineering	S1	Sarjana Komputer (S.Kom.)
- Product Design Engineering BASE	S1	Sarjana Teknik (S.T.)

2.1.11 Student Advisory Center (SAC)

For most high-school graduates, studying in university is a brand new experience. Students need to be independent and self-motivated. To overcome these differences, BINUS UNIVERSITY established the SAC to provide support for students in their new academic journey. In relation to SAC motto: “Partnering your personal growth, enhancing your well-being,” SAC will do their best to work with students to keep them on the right track.

As a center, the SAC consists of three departments: Personal Development, Mentoring, and Counselling Department. The Personal Development Department is established to assist students to improve their soft skills through training and seminars, such as: communication skills, time management, exam preparation, etc. Whereas the Mentoring Department is specifically designed to help students cope with their subjects. Here, students are encouraged to work with mentors. SAC also provides them with adequate resources such as books, computers, and internet connection to support their learning. The Counselling Department is designed to guide students dealing with their daily challenges, especially in matters of students academic achievement.

All of SACs' departments are dedicated to ensure all BINUS UNIVERSITY students to be successful in their academic pursuit through advisory activities.

2.2 Programs

2.2.1 School of Computer Science

To answer the challenges of ICT industries in Indonesia and global arena this will require many talents who are creative and have interest in developing creative solutions. BINUS UNIVERSITY is committed to taking part in the field of Computer Science and be able to take Indonesia to the next level through ICT.

Research at School of Computer Science consists of Software Engineering, Database Technology, Intelligent System, Networking, Interactive Multimedia, Mobile Application, Game Application, Biometrics, Cryptography, Industrial Optimization, Education Technology and Forecasting.

Towards the World Class University, School of Computer Science offers two undergraduate study programs (S1) for single and two double degree programs which are managed by three departments and three programs. These departments and program are Computer Science, Computer Science - Mathematics, Computer Science - Statistics, Mobile Application and Technology, Game Application and Technology and Cyber Security.

Computer Science

Introduction

In the new millennium and the global era, the role of information and automation in the various domains and activities of the business industry are becoming more important. The successes of the activities are determined by its information system. Information must be up-to-date, accurate and comprehensive to allow decision makers to determine the enterprise's strategy. Furthermore, automation can facilitate human activity, accelerate the pace of work and make it more effective and efficient, while also increasing productivity in various activities. The development of communication and computer technology has made it possible to get information that is rapid, exact, and accurate, while increasing the application of automation in various fields such as Industry, business, office affairs and in the development of science and technology.

The Computer Science study program was founded in September 1987, under STMIK BINA NUSANTARA; it became one of the programs under the coordination of the Faculty of Computer Science, BINA NUSANTARA UNIVERSITY in December 1998.

The study of computer science at BINA NUSANTARA UNIVERSITY puts emphasis on the processes, techniques, and tools that go into developing computer-based systems, with specialties in object-oriented software engineering, multimedia, web, database and computer network orientation.

Vision

A study program of choice in Computer Science which focuses on developing creative software solutions for industry, is recognized internationally, champions innovation and delivers graduates with international qualifications.

Mission

The mission of Computer Science Department is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental and advance knowledge, skill and practice in software development specialized in database technology, intelligence system, networking or multimedia and game development by providing an excellent learning environment and promoting research and collaboration with global industry;
2. Providing IT professional services with emphasis in application of knowledge in terms of society development;
3. Sharing application of knowledge related to computer science for Indonesian and international community quality of life improvement;
4. Promoting students & lecturers to be creative and value-addings talents in computer science by creating suitable environment in order to be able to compete in international level;
5. Preparing students for becoming smart and good ICT professionals, leaders and entrepreneurs in global market or for continuing in advanced studies.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of mathematical, algorithm principles, computer science knowledge and ethical that will be needed in IT practice;
2. To provide students with skills to apply design and development principles in the construction of software system applied in database technology, intelligence system, networking and multimedia development;
3. To prepare students with abilities to keep up-to-date with the latest Information Technology trends, developments and industries;
4. To prepare students with abilities in problem solving and good communication skills to be able to work as an individual or in a team in an IT environment.

Student Outcomes

After completing the study, graduates are:

1. Able to create software application design with the implementation of database system principal design to solve structured and semi-structured data;
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area;
3. Able to assess technology trend in Informatics area to deliver alternative solution of software development;
4. Able to produce software applications which can solve the problems in informatics;
5. Able to produce database software with high complexity to solve problems;
6. Able to produce computer network-based software to solve problems;
7. Able to produce smart software using artificial intelligence algorithms to solve problems;
8. Able to produce multimedia-based software to solve the problems.

Prospective Career of the Graduates

After finishing the program, the graduate of Computer Science Program could follow a career as:

1. Software Engineer/Developer
2. System Analyst/Developer
3. Web Engineer/Developer
4. Computer Network Specialist
5. Database Specialist
6. Artificial Intelligence Specialist
7. Data Scientist
8. IT Support/Consultant
9. Researcher
10. Multimedia Programmer
11. Lecturer/Trainer

Curriculum

The present curriculum used in the Computer Science program has been developed in line with the National Curriculum. Also, the local content has been developed in line with the Computer Science Curriculum standard of ACM (Association for Computing Machinery), several local and foreign universities, and market trends, so that the graduates of the Computer Science program are expected to be able to face competition at both a national and international level.

Generally, the subjects of the curriculum 2018 are divided into these following groups of subjects:

Mathematics Group (Science)

The objective of this group is to provide an understanding of mathematics as one of the principal foundations of computer science. Another objective is to give an understanding of scientific methodology (data collection, hypothesis, research, analysis) in problem solving.

Character Building Group (Professional Practices)

The objective of this group is to develop the personal strengths of the student and to provide him or her with a professional character, professionalism in their field, management skills, oral and written communication skills, understanding of business ethic, ability to work as a team, and to develop a “Binusian” Character.

Core Group

The objective of this group is to provide a grounding in Computer Science through practice as well as applied theory which is required by business both now and in the future. The subjects that are included in this group are programming, algorithm design and analysis, software engineering, databases, computer graphs, multimedia, computer and human interaction, operation system, computer architecture, and computer network.

Concentration Subject (Stream)

The objective of this group is to give students the opportunity to obtain a deep understanding of a range of disciplines in computer science. The students are expected to develop their skills and master the techniques which will allow them to conduct research for both their thesis and/or to continue their studies.

The Concentration subjects (Stream) provide:

1. Software Engineering: to explore the various methodologies and software engineering equipment.
2. Intelligent Systems: to explore the various techniques of computer intelligence that can be applied to solving problem.
3. Database Technology: to explore the various technologies and Database Application.
4. Network: to explore computer networking which consists of installation, administration, and computer networking management.
5. Applied Networking (CISCO): to explore computer networking technology based on computer network equipment (CISCO equipment).
6. Interactive Multimedia: to explore computer interactive multimedia applications, based on computer programming, design tools, and software engine.
7. Applied Database: to explore computer specialized technology for database application development based on Oracle product.

Entrepreneur and Employability Skill (Internship)

The objective of this group of subject is to prepare students with professional experience, work ethics and to experience working environment. The students are expected to apply and to practice their knowledge in the real working area such as industry, research lab, and also as entrepreneur start up. They are also expected to give reports as the result of the subjects.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	MATH6025	Discrete Mathematics	4	
	MATH6030	Linear Algebra	2	
	COMP6047	Algorithm and Programming*	4/2	
	COMP6056	Program Design Methods*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	COMP6048	Data Structures*&***	4/2	
	MATH6031	Calculus	4	
	ENTR6003	Entrepreneurship I	2	
	COMP6175	Object Oriented Programming*&***	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	23
	COMP6049	Algorithm Design and Analysis**	4	
	ISYS6169	Database Systems	4/2	

Sem	Code	Course Name	SCU	Total
3	CPEN6098	Computer Networks	2/2	23
	COMP6065	Artificial Intelligence**	4	
	COMP7084	Multimedia Systems*	2/1	
4	COMP6575	Research Topics in Computer Science	2	22
	COMP6060	Programming Language Concepts	2	
	COMP6100	Software Engineering***&****	4	
	COMP6176	Human and Computer Interaction	2/2	
	Streaming : Software Engineering			
	COMP6106	Code Reengineering	4	
	COMP6107	Agile Software Development***	2	
	COMP6114	Pattern Software Design	2/2	
	Streaming : Intelligent System			
	COMP6576	Natural Language Processing***	2	
	COMP6577	Machine Learning	4	
	COMP7117	Artificial Neural Network**	2/2	
	Streaming : Interactive Multimedia			
	COMP8129	User Experience***	2/2	
	COMP6578	Information Visualization	2	
	COMP7094	Multimedia Programming Foundation**	2/2	
	Streaming : Database Technology			
	ISYS6172	Database Design	2/1	
	COMP6579	Big Data Processing***	2/2	
	COMP6580	Database Administration**	2/1	
	Streaming : Applied Database			
	ISYS7155	Applied Database I	4	
	COMP6581	Introduction to Geographical Information System**	2	
	COMP6579	Big Data Processing***	2/2	
	Streaming : Network			
	COMP6582	Computer Security**	2	
	COMP6584	Network and System Programming***	2/2	
	COMP6585	System Administration	2/2	
	Streaming : Applied Networking			
	CPEN8092	Applied Networking I	4	
	COMP6582	Computer Security**	2	
	COMP6584	Network and System Programming***	2/2	
5	COMP6144	Web Programming***&****	2/1	23
	COMP6062	Compilation Techniques	4	
	COMP6153	Operating System	2/2	
	ENTR6004	Entrepreneurship II	2	
	Elective Course****			
	MOBI6059	Mobile Programming	2	
	COMP6586	Embedded Systems	2	
	COMP6226	Competitive Programming**	2	

Sem	Code	Course Name	SCU	Total
5	Streaming : Software Engineering			23
	COMP6115	Object Oriented Analysis & Design**	2/2	
	COMP6122	Framework Layer Architecture	2/2	
	Streaming : Intelligent System			
	COMP6587	Deep Learning	2	
	COMP6588	Information Retrieval	2	
	COMP7116	Computer Vision**	2/2	
	Streaming : Interactive Multimedia			
	COMP6583	Computer Graphics	2/2	
	COMP6589	Game Design Programming**	4	
	Streaming : Database Technology			
	COMP6590	Geographical Information System**	2/2	
	COMP6140	Data Mining	2/2	
	Streaming : Applied Database			
	ISYS7156	Applied Database II	4	
	ISYS7157	Applied Database III	4	
	Streaming : Network			
	COMP6591	Portable Operating System Interface**	2/2	
	COMP7142	Popular Network Technology**	2/2	
	Streaming : Applied Networking			
	CPEN8093	Applied Networking II	4	
	CPEN8094	Applied Networking III	4	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	COMP8074	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) Global Learning System Course

**) This course is delivered in English

***) Entrepreneurship Embedded

****) Elective Course: Student will choose one of three elective courses with 2 credits on 5th semester.

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2		v						v				
3			v						v			
4				v			v					
5				v						v		
6				v							v	
7					v		v					
8					v					v		
9					v						v	
10						v	v					
11						v				v		
12						v					v	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Students who failed in Enrichment Program I can retake with the same track or change into another track. As for Enrichment Program II, student who failed with Internship, Research, Community Development, and Study Abroad track on Enrichment Program II, can retake with the same track or change into another track. However students who take **Entrepreneurship** track on Enrichment Program II, should **retake with another track**.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
COMP6426	Industrial Experience in Information Technology	8	
COMP6427	Information Technology Practice in Industrial Experience	4	
COMP6428	EES in Information Technology Industry	3	
Enrichment Program II			16
COMP6429	Professional Experience in Information Technology	8	
COMP6431	Information Technology Practice in Professional Experience	4	
COMP6430	Professional Development in Information Technology Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6328	Business Start Up	8	
ENTR6149	IT Business Model & Validation	2	
ENTR6150	Launching New IT Venture	2	
ENTR6379	EES in New Computer Science Business	3	
Enrichment Program II			16
ENTR6356	Growing a Business	8	
ENTR6151	Lean IT Start Up & Business Plan	2	
ENTR6152	Venture Capital in IT Industry	2	
ENTR6367	EES in Computer Science Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6243	Research Experience I	8	
RSCH6111	Scientific Writing I in Computer Science	4	
RSCH6290	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			16
RSCH6258	Research Experience II	8	
RSCH6112	Scientific Writing II in Computer Science	4	
RSCH6266	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6159	Community Outreach Project Implementation	8	
CMDV6041	Community Outreach IT Project Design	4	
CMDV6203	Employability and Entrepreneurial Skills in Computer Science Community	3	
Enrichment Program II			16
CMDV6184	Community Development Project Implementation	8	
CMDV6042	Community Development IT Project Design	4	
CMDV6193	Employability and Entrepreneurial Skills in Computer Science Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6048	Data Structures*	C
5.	COMP6056	Program Design Methods*	C
6.	COMP6100	Software Engineering*	C
Streaming : Software Engineering			
7.	COMP6107	Agile Software Development	C
8.	COMP6115	Object Oriented Analysis & Design	C
Streaming : Intelligent System			
7.	COMP7117	Artificial Neural Network	C
8.	COMP7116	Computer Vision	C
Streaming : Interactive Multimedia			
7.	COMP7094	Multimedia Programming Foundation	C
8.	COMP6583	Computer Graphics	C
Streaming : Database Technology			
7.	COMP6580	Database Administration	C
8.	COMP6140	Data Mining	C
Streaming : Applied Database			
7.	ISYS7155	Applied Database I	C
8.	ISYS7156	Applied Database II	C
Streaming : Network			
7.	COMP6584	Network & System Programming	C
8.	COMP6591	Portable Operating System Interface	C
Streaming : Applied Networking			
7.	CPEN8092	Applied Networking I	C
8.	CPEN8093	Applied Networking II	C

*) Tutorial & Multipapper

Computer Science Global Class

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	MATH6025	Discrete Mathematics	4	
	MATH6030	Linear Algebra	2	
	COMP6047	Algorithm and Programming*	4/2	
	COMP6056	Program Design Methods*	4	
	ENGL6132	English Access	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	COMP6048	Data Structures*	4/2	
	MATH6031	Calculus	4	
	ENTR6003	Entrepreneurship I	2	
	COMP6175	Object Oriented Programming*	2/2	
	LANG6061	Indonesian	1	
	ENGL6133	English Global	2	
3	CHAR6015	Character Building: Agama	2	22
	COMP6049	Algorithm Design and Analysis	4	
	ISYS6169	Database Systems	4/2	
	CPEN6098	Computer Networks	2/2	
	COMP6065	Artificial Intelligence	4	
	ENGL6134	English for Academic Writing	2	
4	COMP6575	Research Topics in Computer Science	2	23
	COMP6060	Programming Language Concepts	2	
	COMP6100	Software Engineering* ^{&***}	4	
	COMP6176	Human and Computer Interaction	2/2	
	COMP7084	Multimedia Systems*	2/1	
	COMP6115	Object Oriented Analysis & Design	2/2	
	COMP6577	Machine Learning	4	
5	COMP6144	Web Programming* ^{&***}	2/1	23
	COMP6062	Compilation Techniques	4	
	COMP6153	Operating System	2/2	
	ENTR6004	Entrepreneurship II	2	
	COMP6579	Big Data Processing	2/2	
	COMP6107	Agile Software Development	2	
	COMP7116	Computer Vision	2/2	
6	Elective courses list for study abroad			15
	GLOB6029	Elective Course 1	4	
	GLOB6030	Elective Course 2	4	
	GLOB6031	Elective Course 3	4	
	GLOB6032	Elective Course 4	4	
	GLOB6033	Elective Course 5	2	

Sem	Code	Course Name	SCU	Total
6	GLOB6034	Elective Course 6	2	15
	GLOB6035	Elective Course 7	2	
	GLOB6036	Elective Course 8	2	
	GLOB6037	Elective Course 9	2	
	GLOB6038	Elective Course 10	2	
	GLOB6039	Elective Course 11	2	
	GLOB6040	Elective Course 12	2	
	GLOB6083	Elective Course 13	3	
	GLOB6084	Elective Course 14	1	
7	Enrichment Program		16	16
8	COMP8074	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) Global Learning System Course

**) Entrepreneurship Embedded

Elective courses list for study abroad (6th Semester):

-) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits

Enrichment Program (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1					V		V					
2					V					V		
3					V						V	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
COMP6426	Industrial Experience in Information Technology	8	16
COMP6427	Information Technology Practice in Industrial Experience	4	
COMP6514	EES in Information Technology Industry	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6159	Community Outreach Project Implementation	8	16
CMDV6041	Community Outreach IT Project Design	4	
CMDV6208	Employability and Entrepreneurial Skills in Computer Science Community	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
GLOB6005	Elective Course for Study Abroad 1	4	16
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6056	Program Design Methods*	C
5.	COMP6048	Data Structures*	C
6.	COMP6100	Software Engineering*	C
7.	COMP6115	Object Oriented Analysis & Design	C
8.	COMP7116	Computer Vision	C

*) Tutorial & Multipaper

Mobile Application & Technology

Introduction

Mobile technology is a growing trend technology that provides the infrastructure and technology for all businesses to ride on. With mobile technology, the future is borderless. Mobile Application & Technology (MAT) program is designed to provide students with the knowledge and skills in mobile computing, communications, and entrepreneurship. The aims of Mobile Application & Technology program to provide students with an understanding of mobile/wireless technologies, how these technologies are utilized and integrated to meet specific business needs. The course builds a solid foundation of software development skills and introduces the specific skills needed for developing mobile/wireless applications. Students will also gain the necessary understanding of current technologies and architectures that provide the network and communications infrastructure for mobile enabled enterprise computer systems, planning, management and how to build a mobile enterprise. Students will also develop skills in the design of modern distributed software systems, using appropriate technologies, architectures, and techniques, and in the advanced network, technologies supporting the upper layers, together with their planning, management, and security. The structure of the course allows students to gain valuable practical experience in building software systems, and also apply knowledge in mobile game creative design.

The MAT program was found in September 2011, under BINUS UNIVERSITY, it became one of the programs under the coordination of School of Computer Science.

Vision

A program of choice in Mobile Application and Technology, which specializes in developing creative mobile software solutions for businesses, is recognized internationally, champions innovation and delivers graduates with international qualifications.

Mission

The mission of Mobile Application and Technology Program is to contribute to the global community through the provision of world-class education by:

1. Educating student in the fundamental skills, knowledge, and practice of recent mobile technologies and architectures, wireless technologies, mobile software development, and game design;
2. Conducting research and providing mobile application and technology professional services with an emphasis on the application of knowledge for society's development;
3. Sharing the application of knowledge related to mobile application & technology with a view to Indonesians' and the international community quality of life;
4. Influencing students & lecturers to be creative, value-adding and competitive at an international level in mobile application & technology, by creating a suitable environment;
5. Preparing students as smart and skilled mobile application & technology professionals, leaders, and entrepreneurs in the global market and/or to continue in related disciplines.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation in computer science knowledge, and especially mathematical, algorithm principles, that are needed for mobile software solutions;
2. To provide students with skills to apply design and development principles in the construction of recent mobile technologies, such as architectures, wireless technologies, mobile software development, and game design;
3. To prepare students with abilities to keep up-to-date with the latest Mobile Application and Technology trends;
4. To prepare students with abilities in problem solving, good communication skills and ethics to be able to work as an individual or in a team in an IT environment.

Student Outcomes

After completing the study, graduates are:

1. Able to create software application design with the implementation of database system principal design to solve structured and semi-structured data;
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area;
3. Able to assess technology trend in informatics area to deliver alternative solution of software development;
4. Able to develop a strategy and design for mobile solution development;
5. Able to study the trend of mobile technology in the future;
6. Able to create solution by applying technology and current mobile application.

Prospective Career of the Graduates

After finishing the program, the graduate of Mobile Application & Technology Program could follow a career as:

1. Mobile Software Engineer/Developer
2. Mobile Games Designer & Mobile Games Developer
3. Mobile Business Application Developer
4. Mobile User Experience Designers
5. Mobile User Interface Architect
6. Information Analyst in Decentralized Businesses
7. IT Support/Consultant
8. Lecturer/Trainer

Curriculum

The present curriculum used in the Mobile Application & Technology program has been developed in line with the National Curriculum. Also, the local content has been developed in line with the Computer Science Curriculum standard of ACM (Association for Computing Machinery), several local and foreign universities, mobile technologies and market trends, so that the graduates of the Mobile Application & Technology program are expected to be able to face competition at both a national and international level.

Generally, the subjects of the curriculum 2018 are divided into these following groups of subjects:

Mathematics Group (Science)

The objective of this group is to provide an understanding of mathematics as one of the principal foundations of computer science. Another objective is to give an understanding of scientific methodology (data collection, hypothesis, research, analysis) in problem solving.

Character Building Group (Professional Practices)

The objective of this group is to develop the personal strengths of the student and to provide him or her with a professional character, professionalism in their field, management skills, oral and written communication skills, understanding of business ethic, ability to work as a team, and to develop a “Binusian” Character.

Core Group

The objective of this group is to provide grounding in Mobile Application Technology program through practice as well as applied theory which is required by business both now and in the future. The subjects that are included in this group are programming, algorithm design and analysis, software engineering, databases, computer graphs, multimedia, computer and human interaction, operation system, mobile device architecture, and mobile network.

The Field of MAT Subject

The objective of builds the field of subject in Mobile Application Technology is to give the students a solid foundation of software development skills and to introduce the specific skills needed for developing mobile/wireless applications. Students will also gain the necessary understanding of current technologies and architectures that provide the network and communications infrastructure for mobile enabled enterprise computer systems, also to give students the opportunity to obtain a deep understanding of a range of disciplines in Mobile Application Technology.

The students are expected to develop their skills and master the techniques which will allow them to conduct research for both their thesis and/or to continue their studies.

The field of MAT subjects:

1. Mobile Programming: to explore the various methodologies and mobile software engineering equipment.
2. Mobile Entrepreneurship: to explore the various techniques of planning, management skills and how to build a mobile application & technology company.
3. Current Mobile Technology: to explore the several of the trend technology in mobile application & device also conduct research in internet of thing, embedded system technology, virtual reality and augmented reality.

All students of MAT program must follow these three fields to become Mobile Application Technology graduates.

The objective of these three fields is to provide the students with the knowledge and skills required by business & industry and who wants to develop their own mobile application company.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	MATH6025	Discrete Mathematics	4	
	MATH6030	Linear Algebra	2	
	COMP6047	Algorithm and Programming	4/2	
	MOBI6055	Introduction to Ubiquitous Computing	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	MATH6031	Calculus	4	
	COMP6048	Data Structures	4/2	
	MOBI6002	Mobile Object Oriented Programming*&***	2/2	
	MOBI6056	Mobile Creative Design*&***	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
3	ENGL6131	English for Written Business Communication	2	24
	CHAR6015	Character Building: Agama	2	
	COMP6049	Algorithm Design and Analysis	4	
	ENTR6003	Entrepreneurship I	2	
	COMP6056	Program Design Methods	4	
	MOBI6012	Web Design*&***	2/2	
	ISYS6279	Database Systems	4/2	
4	MOBI6057	Wearable Technology*&***	2	22
	CPEN6108	Computer Networks	2/2	
	MOBI6006	Mobile Community Solution*&***	2/2	
	MOBI6058	Embedded System and Internet of Things*&***	4	
	COMP6229	Software Engineering***	4	
	MOBI6023	Mobile User Experience*&***	2	
5	COMP6062	Compilation Techniques	4	22
	MOBI6043	Mobile Testing and Implementation***&****	2	
	MKTG6063	Market Research Methodologies	2	
	COMP6153	Operating System	2/2	
	COMP6231	Human and Computer Interaction	2/2	
	ENTR6004	Entrepreneurship II	2	
	COMP6227	Artificial Intelligence	4	
6	MOBI6009	Mobile Multimedia Solution**	2/2	15
	Enrichment Program I		15	
7	Enrichment Program II		16	16
8	MOBI6024	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

***) Entrepreneurship Embedded

**) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2		v						v				
3			v						v			
4				v			v					
5				v						v		
6				v							v	
7					v		v					
8					v					v		
9					v						v	
10						v	v					
11						v				v		
12						v					v	

Notes:

- IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Students who failed in Enrichment Program I can retake with the same track or change into another track. As for Enrichment Program II, student who failed with Internship, Research, Community Development, and Study Abroad track on Enrichment Program II, can retake with the same track or change into another track. However students who take **Entrepreneurship** track on Enrichment Program II, should **retake with another track**.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
MOBI6048	Industrial Experience	8	
MOBI6049	Mobile Application & Technology Practice in Industrial Experience	4	
MOBI6050	EES in Mobile Industry	3	
Enrichment Program II			16
MOBI6051	Professional Experience	8	
MOBI6052	Mobile Application & Technology Practice in Professional Experience	4	
MOBI6053	Professional Development in Mobile Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6330	Business Start Up	8	
ENTR6069	Business Model & Validation in Mobile Application Project	2	
ENTR6086	Launching New Venture in Mobile Application Project	2	
ENTR6381	EES in New Mobile Application and Technology Business	3	
Enrichment Program II			16
ENTR6358	Growing a Business	8	
ENTR6087	Lean Start Up & Business Plan in Mobile Application Project	2	
ENTR6142	Venture Capital in Mobile Application Project	2	
ENTR6369	EES in Mobile Application and Technology Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6245	Research Experience I	8	
RSCH6029	Scientific Writing in Mobile Apps and Technology Research Area I	4	
RSCH6292	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			16
RSCH6260	Research Experience II	8	
RSCH6107	Scientific Writing in Mobile Apps and Technology Research Area II	4	
RSCH6268	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6161	Community Outreach Project Implementation	8	
CMDV6036	Community Outreach Project Design in Mobile Applications Project	4	
CMDV6205	Employability and Entrepreneurial Skills in Mobile Application and Technology Community	3	
Enrichment Program II			16
CMDV6186	Community Development Project Implementation	8	
CMDV6037	Community Development Project Design in Mobile Application Project	4	
CMDV6195	Employability and Entrepreneurial Skills in Mobile Application and Technology Community Development	4	

Enrichment Study Abroad Track

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	

Code	Course Name	SCU	Total
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6048	Data Structures	C
5.	COMP6056	Program Design Methods	C
6.	COMP6229	Software Engineering	C
7.	MOBI6023	Mobile User Experience*	C
8.	MOBI6056	Mobile Creative Design*	C

*) Tutorial & Multipaper

Game Application & Technology

Introduction

Computer, mobile, and console games represent a multi-billion dollar global industry. Game Application and Technology (GAT) program offers dedicated degrees in game development, giving students the technical expertise they need to enter the industry confidently.

GAT program is designed specifically by Computer Science, BINUS UNIVERSITY to provide students with knowledge and skills to develop and create a variety of applied technology in the field of game technology. BINUS UNIVERSITY found this program in September 2012, and it became one of the best programs under the coordination of School of Computer Science. In collaboration with several renowned game industries, GAT program always make continuous improvement in our curriculum, human resources and facilities. The GAT Lab, equipped with high specification computers and dedicated audio editing studio, will facilitate the students and lecturers to collaborate and deliver high quality games.

GAT program is designed to adapt the dynamically changing creative industries landscape while ensuring a solid academic foundation and aligned to industry expectations. GAT focuses on game art, game design, and game programming. Derived from Computer Science study program, GAT program offers game programming and development blended with creativity and innovation in Game Technology. The structure of the course allows students to gain valuable practical experience in building software systems, and also apply knowledge in creative game design. GAT program have a strong base in computer science foundation subjects as well as offering the theoretical

and critical thinking behind current digital technologies. Students will learn in a project orientated environment that encourages collaboration with industries. This collaboration helps them discover creative solutions to contemporary design challenges. Students are encouraged to collaborate, work according to deadlines, maintain attendance levels and develop strong communication skills. As a result, graduates are internationally renowned for their expertise and confident to enter the workplace as newly skilled professionals rather than technicians.

Vision

Become a study program of choice in Computer Science, focus in creative software solutions for business and industry, recognized internationally, championing innovation and produce graduates with international qualification.

Mission

The mission of Game Application and Technology Program is to contribute to the global community through the provision of world-class education by:

1. Educating student in the fundamental skills, knowledge, and practice of recent mobile technologies and architectures, wireless technologies, mobile software development, and game design;
2. Conducting research and providing game application and technology professional services with an emphasis on the application of knowledge for society's development;
3. Sharing the application of knowledge related to game application & technology with a view to Indonesians' and the international community quality of life;
4. Influencing students & lecturers to be creative, value-adding and competitive at an international level in game application & technology, by creating a suitable environment;
5. Preparing students as smart and skilled game application & technology professionals, leaders, and entrepreneurs in the global market and/ or to continue in related disciplines.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of mathematical, algorithm principles, computer science knowledge and ethical that will be needed in IT practice;
2. To provide students with skills to apply design and development principles in the construction of software system applied in database technology, intelligence system, networking, multimedia development, game design and game technology;
3. To prepare students with abilities to keep up-to-date with the latest Information Technology specially in computer game technology trends, developments and industries;
4. To prepare students with abilities in problem solving and good communication skills to be able to work as an individual or in a team in an IT environment.

Student Outcomes

After completing the study, graduates are:

1. Able to create software application design with the implementation of database system principal design to solve structured and semi-structured data;
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area;
3. Able to assess information technology trend and communication to deliver alternative solution of software development;
4. Able to create game software with the implementation of multimedia, computer network, and applicative database with use of artificial intelligence algorithm to solve real industry problems.

Prospective Career of the Graduates

After finishing the program, the graduate of Game Application and Technology Program could follow a career as:

1. Game Engineer / Developer
2. Game Designer
3. Game Artist / Technical Artist
4. Game Audio Engineer
5. Game Director / Chief Technology Officer
6. Game Content Provider
7. Game Consultant
8. Game Publisher
9. Entrepreneur

Curriculum

The present curriculum used in the GAT program has been developed in line with the National Curriculum. Also, the local content has been developed in line with the Computer Science Curriculum standard of ACM (Association for Computing Machinery), several local and foreign universities, national and international game industry and community (developer, publisher), up-to-date game technologies, and market trends. In addition, the students will have the opportunity to forge their Employability & Entrepreneurial Skills in the enrichment program offered by the university to ensure the students are well prepared for their future career. In the program, the students will have the opportunity to work in the internship program offered by various global industries; experience study abroad; start their own business; involve in the world class research project; implement their skills in the community development program. With these, our graduates are expected to be able to compete at both national and international level. Generally, the subjects of the curriculum are divided into these following groups of subjects:

Core Computer Science Group

The objective of this group is to provide grounding in GAT program through practice as well as the applied theory which is required by business both now and in the future. The subjects included are programming, algorithm design and analysis, software engineering, databases, computer graphs, interactive multimedia, computer and human interaction, operation system, Game Art, Game Programming, and Game Design.

Science

The objective of this group is to provide an understanding of mathematics as one of the principal foundations of computer science. Another objective is to give an understanding of scientific methodology (data collection, hypothesis, market research, analysis) in problem-solving.

Professional Practices

The objective of this group is to develop the personal strengths of the student and to provide him or her with a professional character, professionalism in their field, management skills, oral and written communication skills, understanding of business ethic, ability to work as a team, and to develop a “Binusian” Character.

The Field of GAT Subject

The objective is to give the students a solid foundation of software development skills and to introduce the specific skills needed for developing game applications. The students are expected to develop their skills and master the techniques which will allow them to conduct research for both their thesis and to continue their studies.

The field of GAT subjects:

1. Game Programming and Development: to explore the various programming techniques and algorithm in game using industry-standard software and game engine.
2. Game Art: to explore various methodologies and techniques of game art and learn how to transform your art into assets for computer games and related industries using the latest technology and industry-standard software (2D and 3D, animation, modeling, character design).
3. Game Design: to explore the various methodologies and techniques of game story design, level design, gameplay design, human and computer interaction design.

All students of GAT program must follow these three fields to become our eligible graduates. The objective of these fields is to provide the students with the knowledge and skills required by business & industry and who wants to develop their own game company.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	MATH6025	Discrete Mathematics	4	
	MATH6030	Linear Algebra	2	
	COMP6047	Algorithm and Programming	4/2	
	STAT6026	Probability and Statistics	2	
	GAME6001	Introduction to Game Technology*	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	MATH6031	Calculus	4	
	COMP6048	Data Structures*	4/2	
	GAME6002	Game Design*&***	2	

Sem	Code	Course Name	SCU	Total
2	GAME6004	Object Oriented Game Programming* ^{&***}	2/2	21
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	20
	COMP6049	Algorithm Design and Analysis*	4	
	ENTR6003	Entrepreneurship I	2	
	GAME6069	Game Programming* ^{&***}	4	
	GAME6070	Storyboards & Concept Art*	2	
	COMP6056	Program Design Methods	4	
	GAME6075	User Experience* ^{&***}	2	
4	GAME6071	3D Modeling for Games* ^{&***}	2	24
	CPEN6109	Computer Networks	2/2	
	ISYS6280	Database Systems	4/2	
	COMP6228	Artificial Intelligence	4	
	COMP6230	Software Engineering* ^{&****}	4	
	GAME6072	Game Animation* ^{&***}	4	
5	COMP6153	Operating System	2/2	24
	COMP6062	Compilation Techniques	4	
	ENTR6004	Entrepreneurship II	2	
	COMP6232	Human and Computer Interaction	2/2	
	GAME7045	Mobile & Web Game Programming* ^{***&****}	4/2	
	GAME6073	Game Tools Development* ^{&***}	4	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	GAME6026	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	V						V					
2		V						V				
3			V						V			
4				V			V					
5				V						V		
6				V							V	
7					V		V					
8					V					V		
9					V						V	
10						V	V					
11						V				V		
12						V					V	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Students who failed in Enrichment Program I can retake with the same track or change into another track. As for Enrichment Program II, student who failed with Internship, Research, Community Development, and Study Abroad track on Enrichment Program II, can retake with the same track or change into another track. However students who take **Entrepreneurship** track on Enrichment Program II, should **retake with another track**.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
GAME6061	Game Industry Experience	8	
GAME6066	Game Production in Industry	4	
GAME6067	EES in Game Industry	3	
Enrichment Program II			16
GAME6062	Game Development Practice in Industry	8	
GAME6064	Game Research in Industry	4	
GAME6063	EES in Game Development Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6329	Business Start Up	8	
ENTR6159	Business Model & Validation in Game Technology	2	
ENTR6160	Launching New Venture in Game Technology	2	
ENTR6380	EES in New Game Application and Technology Business	3	
Enrichment Program II			16
ENTR6357	Growing a Business	8	
ENTR6161	Lean Start Up & Business Plan in Game Technology	2	
ENTR6162	Venture Capital in Game Technology	2	
ENTR6368	EES in Game Application and Technology Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6244	Research Experience I	8	
RSCH6119	Scientific Writing I in Game Technology	4	
RSCH6291	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			16
RSCH6259	Research Experience II	8	
RSCH6120	Scientific Writing II in Game Technology	4	
RSCH6267	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6160	Community Outreach Project Implementation	8	
CMDV6045	Community Outreach Project Design in Game Technology	4	
CMDV6204	Employability and Entrepreneurial Skills in Game Application and Technology Community	3	
Enrichment Program II			16
CMDV6185	Community Development Project Implementation	8	
CMDV6046	Community Development Project Design in Game Technology	4	
CMDV6194	Employability and Entrepreneurial Skills in Game Application and Technology Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1	CHAR6013	Character Building: Pancasila	B
2	ENTR6004	Entrepreneurship II	C
3	COMP6047	Algorithm and Programming*	C
4	COMP6048	Data Structures*	C
5	COMP6056	Program Design Methods*	C
6	COMP6230	Software Engineering*	C
7	GAME6002	Game Design	C
8	GAME6069	Game Programming	C

*) Tutorial & Multipaper

Cyber Security

Introduction

Cyber attack is raising and threaten ubiquitous world on internet today. Industry and government need cyber security expert to counter and defend from this threat. Cyber Security program offer dedicated degree in cyber security assurance and defence by giving students technical expertise they need to confidently enter cyber war. Cyber Security is designed specifically by Computer Science, BINUS UNIVERSITY to provide students with knowledge and expertise to penetrate testing system and network, design and implementation of cyber defense architecture in the field of cyber security. Cyber Security program was found in 2015, under BINUS UNIVERSITY, it became one of the best programs under coordination of School of Computer Science and supported by government.

Cyber Security program designed to adapt to changing cyber attack and defend landscape while ensuring a solid academic foundation and aligned to industry and government expectation. Cyber Security focuses on cyber security assurance and cyber defense. Course structures its program to allow students to gain valuable concept and practical experience in conducting penetration test and also to apply knowledge in building cyber defense architecture and technology. Cyber security program has a strong base in computer science foundation subject as well as offering theoretical and critical thinking behind the current cyber technology. Students learn in a project-orientated environment that encourages collaboration with industries and government and helps them to discover cyber threat challenge and build system defense. Students are encouraged to collaborate, work to deadlines, maintain attendance levels and develop strong communication skills. As a result, the graduates are internationally renowned for their expertise and confidence to enter the workplace as entry-level skilled professionals rather than technicians.

Vision

A study program of choice in Computer Science which focuses on developing cyber security solution for industry, is recognized internationally, champions innovation and delivers graduates with international qualifications.

Mission

The mission of Cyber Security Program is to contribute to the global community through the provision of world-class education by:

1. To educate students fundamental to advance knowledge, skill and practice in software development specialized in ethical hacking, cyber defense, and cyber forensic by providing an excellent learning environment and promoting research and collaboration with global industry;
2. To provide IT professional services with emphasis in application of knowledge in terms of society development;
3. To share application of knowledge related to cyber security for Indonesian and international community quality of life improvement;
4. To promote students & lecturers to be creative and value-adding talents in cyber security by creating suitable environment in order to be able to compete in international level;
5. To prepare students for becoming smart and good ethical cyber security professionals, leaders and entrepreneurs in global market or for continuing in advanced studies.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of mathematical, algorithm principles, computer science knowledge and ethical that will be needed in IT practice;
2. To provide students with skills to apply design and development principles in the construction of software system applied in database technology, intelligence system, networking and multimedia development;
3. To prepare students with abilities to keep up-to-date with the latest Cyber Security trends, developments and industries;
4. To prepare students with abilities in problem solving and good communication skills to be able to work as an individual or in a team in an IT environment.

Student Outcomes

After completing the study, graduates are:

1. Able to create software application design with the implementation of database system principal design to solve structured and semi-structured data;
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area;
3. Able to assess technology trend in informatics area to deliver alternative solution of software development;
4. Able to conduct penetration testing using appropriate method that suitable to targeted technology;
5. Able to evaluate system risk from identification result;
6. Able to make a guideline that optimize necessary improvement to close gaps;
7. Able to fix the weakness system by cyber defense approach and technique;
8. Able to implement secure system with secure software engineering methodology.

Prospective Career of the Graduates

After finishing the program, the graduate of Cyber Security Program could follow a career as:

1. Penetration Tester
2. Secure Software Developer
3. Network Security Administrator
4. Information Security Analyst
5. Computer Security Architect
6. Cyber Intelligence Officer
7. Academician in cyber security (Lecturer, Trainer, Researcher)

Curriculum

The present curriculum used in the Cyber Security program has been developed in line with the National Curriculum. Also, the local content has been developed in line with the Computer Science Curriculum standard of ACM (Association for Computing Machinery), several local and foreign universities, national and international game industry (developer, publisher), up-to-date cyber attack and threat trends, so that the graduates of the Cyber Security program are expected to be able to face cyber security challenge at both a national and international level. Generally, the subjects of the curriculum are divided into these following groups of subjects:

Core Computer Science Group

The objective of this group is to provide grounding in Cyber Security program through practice as well as applied theory which is required by business both now and in the future. The subjects that are included in this group are programming, algorithm design and analysis, software engineering, databases, computer graphs, interactive multimedia, computer and human interaction, operation system, Cyber Security Analysis, Secure Web Technology and Cyber Forensic.

Science

The objective of this group is to provide an understanding of mathematics as one of the principal foundations of computer science. Another objective is to give an understanding of scientific methodology (data collection, hypothesis, research methodology, analysis) in problem solving.

Character Building Group (Professional Practices)

The objective of this group is to develop the personal strengths of the student and to provide him or her with a professional character, professionalism in their field, management skills, oral and written communication skills, understanding of business ethic, ability to work as a team, and to develop a “Binusian” Character.

The Field of Cyber Security Subject

The objective of building the field of subject in Cyber Security is to give the students a solid foundation of secure software development skills and to introduce the specific skills needed for cyber security assurance and cyber defense. The students are expected to develop their skills and master the techniques which will allow them to conduct research for both their thesis and/or to continue their studies.

The field of Cyber Security subjects:

1. Network Security: to explore the various methodologies and techniques of penetration testing and defense in network technology.
2. System Defense: to explore the various methodologies and techniques of secure software engineering, secure computer network, and operating system.

All students of Cyber Security program must follow these two fields to become Cyber Security graduates. The objective of these two fields is to provide the students with the knowledge and skills required by industry and government who want to defend their computer network and system.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	MATH6025	Discrete Mathematics	4	
	MATH6030	Linear Algebra	2	
	COMP6047	Algorithm and Programming	4/2	
	COMP6542	Computer Security Fundamental	2	
	STAT6026	Probability and Statistics	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	MATH6031	Calculus	4	
	COMP6048	Data Structures*	4/2	
	LAWS6110	Cyber Law	2	
	CPEN6098	Computer Networks	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	COMP6543	Secure Programming**&***	2/2	
	COMP6544	Network Penetration Testing**	2/2	
	COMP6056	Program Design Methods	4	
	COMP6062	Compilation Techniques	4	
	ENTR6003	Entrepreneurship I	2	
	COMP6049	Algorithm Design and Analysis*	4	
4	COMP6545	Shell Scripting**	2	24
	COMP6546	Network Administration**	2/2	
	ISYS6169	Database Systems	4/2	
	COMP6271	Software Engineering*&****	4	
	COMP6549	Software Security*	2	
	COMP6547	Network Cryptography	2	
	COMP6548	Programming for Penetration Testing**	2/2	
5	COMP6550	Server Administration**	2	20
	COMP6153	Operating System	2/2	
	COMP6176	Human and Computer Interaction	2/2	
	ENTR6004	Entrepreneurship II	2	
	COMP6065	Artificial Intelligence*	4	
	COMP6551	Network Forensic*&***	2	
	COMP6552	Computer Forensic**&****	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	COMP6192	Thesis	6	6
			TOTAL CREDITS 146 SCU	

*) This course is delivered in English

***) Entrepreneurship Embedded

**) Global Learning Systems Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2		v						v				
3			v						v			
4				v			v					
5				v						v		
6				v							v	
7					v		v					
8					v					v		
9					v						v	
10						v	v					
11						v				v		
12						v					v	

Notes:

- IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

-) For students who choose Entrepreneurship track and fail in semester 6, when repeating the course may choose the Entrepreneurship track or change to 4 other track. It applied also to 4 other tracks.
-) But for student who choose Entrepreneurship track and fail in semester 7, when repeating the course it required to choose 4 other track except Entrepreneurship. For the other tracks, if fail in semester 7, students may choose to stay on the track or change to other tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
COMP6561	Industrial Experience in Cyber Security Domain	8	
COMP6562	Cyber Security Practice in Industrial Experience	4	
COMP6563	EES in Cyber Security Industry	3	
Enrichment Program II			16
COMP6564	Professional Experience in Cyber Security Domain	8	
COMP6565	Cyber Security Practice in Professional Experience	4	
COMP6566	Professional Development in Cyber Security Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6293	Business Start Up	8	
ENTR6225	Cyber Security Business Model & Validation	2	
ENTR6226	Launching New Cyber Security Venture	2	
ENTR6227	EES Cyber Security Professional in New Business	3	
Enrichment Program II			16
ENTR6309	Growing a Business	8	
ENTR6228	Lean Cyber Security Start Up & Business Plan	2	
ENTR6229	Venture Capital in Cyber Security	2	
ENTR6230	EES Cyber Security Professional in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6212	Research Experience I	8	
RSCH6168	Scientific Writing I in Cyber Security	4	
RSCH6169	Global EES I in Cyber Security Research Project Team	3	
Enrichment Program II			16
RSCH6216	Research Experience II	8	
RSCH6170	Scientific Writing II in Cyber Security	4	
RSCH6171	Global EES II in Cyber Security Research Project Team	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6126	Community Outreach Project Implementation	8	
CMDV6087	Community Outreach Cyber Security Project Design	4	
CMDV6088	Employability and Entrepreneurial Skills in Cyber Security Field	3	
Enrichment Program II			16
CMDV6140	Community Development Project Implementation	8	
CMDV6089	Community Development Cyber Security Project Design	4	
CMDV6090	Employability and Entrepreneurial Skills in Cyber Security Field	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	

Code	Course Name	SCU	Total
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6048	Data Structures*	C
5.	COMP6056	Program Design Methods*	C
6.	COMP6271	Software Engineering*	C
7.	COMP6544	Network Penetration Testing	C
8.	COMP6548	Programming for Penetration Testing	C

*) Tutorial & Multipaper

Mathematics and Computer Science

Introduction

The contribution of Mathematics and Computer Science to modern business practice is becoming more important as there are so many related fields such as process and system engineering, quality control, actuaries, product design/model planning, prediction, management and living environment, all of which use the most sophisticated electronics technology, mathematics, and computer software. The combination of two study programs into one study program is intended to maximize the capabilities of the students to solve problems in these many related fields. To give working experience for student, we provide the facilities to practice in industry for 1 semester in national and international companies besides 4.5 years they study in campus. We facilitate student to job training at industry, research with industry and entrepreneurship program.

Vision

A world class department in Computational Mathematics based on ICT.

Mission

The mission of Mathematics and Computer Science Program is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental knowledge & skills to apply Computational Mathematics using ICT in developing innovative algorithm and software for a career as an applied mathematician or system analyst;
2. Providing solid learning experience through creating the most creative and value-added talents of leaders for global community as well as conducting professional services to improve the quality of life;

3. Providing high impact research that positively contributing to the quality of life of Indonesians and the international community.

Program Objective

The objectives of the program are:

1. To provide students with a solid knowledge ranging from Fundamental Mathematics and Computer Science to Computational Mathematics and Computing Technology;
2. To provide students with knowledge and abilities in conducting mathematical analysis and modeling to solve problem in related fields to be successful applied mathematics career;
3. To prepare students with necessary techniques & skills in developing innovative algorithm and software to be excellence system analyst.

Student Outcomes

After completing the study, graduates are:

1. Able to create software application design by applying the principles of database system design to solve structured and semi-structured data;
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area;
3. Able to assess technology trend in informatics area to deliver an alternative solution of software development;
4. Able to explore, logical reasoning, generalization abstraction, and formal proof in formulating and model problems with specific variables and assumptions through mathematical approach with or without mathematical software;
5. Able to construct, modify, analyze mathematical models of a system/problems, assess accuracy of the models and make conclusions;
6. Able to analyze various alternative mathematical models that are available and present the conclusions of analysis independently or in groups for making decision;
7. Able to create software by implementing mathematical models.

Prospective Career of the Graduates

The graduates of the double study program Mathematics and Computer Science could follow careers in :

1. Information Technology area (software and game developer, IT consultant)
2. Computer (network specialist, computer simulation specialist)
3. Industry (educator, quantitative product planner, optimization analyst)
4. Business (quantitative credit analyst, Actuary analyst)
5. Management (DSS manager, business analyst)

Curriculum

With reference to the Vision and Mission of UBINUS, the role of Mathematics and Computer Science in the future and its current standing in Indonesia, the study program will contain the following elements:

1. Solid education to increase mathematical reasoning capability and ability to solve problems in other fields.
2. The academic atmosphere that will facilitate students' learning in order that student will develop skills in communicating their mathematical reasoning and skill in software engineering.
3. An environment that fosters active learner independence and encourages students to be able to succeed in their professional career and in fields related to Mathematics and Computer Science.

Furthermore, besides this department provides the means and expertise in Mathematics and Computer Science to prepare students for a career as a Applied Mathematician or Software Engineer who is able to create mathematical models to solve problems in many related fields, it also provides capability in developing Computer Science or Applied Mathematics both in Indonesia and among the nations of the world in order to pursue higher degree of education.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	COMP6060	Programming Language Concepts	2	
	COMP6047	Algorithm and Programming	4/2	
	MATH6038	Calculus I*	4	
	MATH6025	Discrete Mathematics*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	MATH6015	Applied Linear Algebra**&***	4	
	MATH6016	Calculus II	4	
	COMP6048	Data Structures	4/2	
	STAT6026	Probability and Statistics*	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	COMP6175	Object Oriented Programming	2/2	
	COMP6056	Program Design Methods	4	
	MATH6056	Scientific Computing Lab*&***	2	
	MATH6008	Mathematical Statistics I*&***	4	
	MATH6019	Calculus III	4	
	MATH6057	Ordinary Differential Equations*&***	2/2	

Sem	Code	Course Name	SCU	Total
4	COMP6176	Human and Computer Interaction	2/2	24
	ISYS6169	Database Systems	4/2	
	MATH6068	Partial Differential Equations	2	
	MATH6009	Mathematical Statistics II	4	
	MATH6018	Modern Algebra*	4	
	MATH6023	Complex Variable Function*&***	4	
5	MATH6026	Mathematics Programming*&***	4	24
	CPEN6098	Computer Networks	2/2	
	COMP6153	Operating System	2/2	
	ENTR6003	Entrepreneurship I	2	
	MATH6059	Geometric Algebra*&***	4	
	COMP6049	Algorithm Design and Analysis	4	
	MATH6058	Numerical Methods I*&***	2	
6	COMP6099	Advanced Object Oriented Programming	2	24
	COMP6100	Software Engineering***	4	
	COMP6065	Artificial Intelligence	4	
	MATH6050	Actuarial Mathematics	4	
	MATH6092	Numerical Methods II*	2	
	MATH6064	Applied Projective Geometry	2	
	MATH6021	Real Analysis*	4	
	STAT6021	Research Methodology*	2	
7	ENTR6004	Entrepreneurship II	2	24
	COMP6062	Compilation Techniques	4	
	MATH6043	Seminar	2	
	MATH6066	Computational Geometry*	2/1	
	MATH6095	Applied Mathematics Modeling*&****	2	
	COMP7116	Computer Vision	2/2	
	MATH6067	Cryptography	2/1	
	MATH6063	Coding Theory*	4	
8	COMP6051	Web Programming	2/1	20
	MOBI6021	Mobile Programming	2/2	
	MATH6061	Computational Number Theory*	2/1	
	COMP8108	Natural Language Processing	2/1	
	MATH6049	Mathematics of Finance*	4	
	COMP7066	Expert Systems	2/1	
9	Enrichment Program		15	15
10	MATH6041	Thesis	6	6
TOTAL CREDITS 202 SCU				

*) This course is delivered in English

****) Entrepreneurship Embedded

**) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program (9th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
MATH6073	Internship	8	15
MATH6074	Mathematical Modeling Solution in Industry	2	
MATH6075	Applied Programming in Industry	2	
MATH6114	EES in Mathematics Industry	3	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6291	Business Start Up	8	15
ENTR6203	Business Model & Validation in Mathematics	2	
ENTR6204	Launching New Venture in Mathematics	2	
ENTR6235	EES in New Mathematical Business	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6224	Research Experience	8	15
RSCH6154	Scientific Writing in Mathematics	4	
RSCH6179	Global EES in Mathematics Research	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6124	Community Outreach Project Implementation	8	15
CMDV6072	Community Outreach in Mathematics Project Design	4	
CMDV6095	Employability and Entrepreneurial Skills in Mathematics	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6048	Data Structures*	C
5.	ISYS6169	Database Systems	C
6.	MATH6019	Calculus III*	C
7.	COMP6153	Operating System	C
8.	COMP6100	Software Engineering*	C
9.	MATH6068	Partial Differential Equations	C
10.	MATH6018	Modern Algebra	C
11.	MATH6092	Numerical Methods II*	C
12.	MATH6095	Applied Mathematics Modeling*	C
13.	COMP6065	Artificial Intelligence	C
14.	MATH6066	Computational Geometry	C

*) Tutorial & Multipaper

Statistics and Computer Science

Introduction

Along with technological growth of computer at present, statistical technique becomes a tool which is widely used by many people to finish the problems better, such as problems in management area, research, business, marketing, quality operation, best quality, forecast, risk analysis of consumer satisfaction, environment, and others make the contribution of Statistics and Computer Science is progressively growing important. The combination of two study majors into one program is designed to maximize the learning opportunities for the student who chooses the double majors. To give working experience for student, we provide the facilities to practice in industry for 1 semester in national and international companies besides 4.5 years they study on campus. We facilitate students with job training at industry, research with industry and entrepreneurship program.

Vision

A world class department in Computational Statistics based on ICT.

Mission

The mission of Statistics and Computer Science Program is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental knowledge & skills to apply Computational Statistics using ICT in acquiring business information for a career as a market researcher or business analyst;
2. Providing solid learning experience through creating the most creative and value-added talents of leaders for global community as well as conducting professional services to improve the quality of life;
3. Providing high impact research that positively contributing to the quality of life in Indonesia and the international community.

Program Objective

The objectives of program are:

1. To provide students with a solid knowledge ranging from Fundamental Statistics and Computer Science to Computational Statistics and Database Technology;
2. To provide students with abilities conduct statistical analysis and marketing research to solve problem in related fields to be successful market researcher;
3. To prepare students with necessary skills in developing database and be expert in data mining to be excellence business analyst.

Student Outcomes

After completing the study, graduates are:

1. Able to create software application design by applying the principles of database system design to solve structured and semi-structured data;
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area;
3. Able to assess technology trend in informatics area to deliver alternative solution of software development;

4. Able to perform the experimental design, collection and generate data (in survey, experiments or simulations), organizing data, analyzing data using statistical techniques, and valid conclusion by using at least one statistical software;
5. Able to resolve the problem assessment (estimation), testing hypothesis, prediction, and forecasting on several fronts, using data and statistical methodologies (methods and models) and presenting it in a form that easily understood by the description of the user;
6. Able to analyze some alternatives solution in statistical field to solve the problems and able to present the conclusions analysis in order to make the right decision;
7. Able to implement statistical models into software solutions needed.

Prospective Career of the Graduates

The graduates of the double study program Statistics and Computer Science are able to follow careers in:

1. Business (market researcher, forecasting analyst, Actuary analyst).
2. Management (business analyst, evaluator of company performance).
3. Information Technology area (database designer, system analyst).
4. Industry (data scientist, decision making analyst, quality control analyst).
5. Finance and Accounting (risk analyst, profit growth analyst).

Curriculum

With reference to the Vision and Mission of UBINUS, the role of Statistics and Computer Science in the future, and its current standing in Indonesia, the study program will contain the following elements:

1. Solid education to increase statistical analysis capability and ability to extract information from any kind of data that emerge in databases.
2. The academic atmosphere that will facilitate students' learning in order that the students will develop skills in communicating their statistical analysis and skills in developing database.
3. An environment that fosters active learner independence and encourages students to be able to succeed in their professional career and in the fields related to Computer Science and Applied Statistics.

Furthermore, besides this department provides the means and expertise in Statistics and Computer Science to prepare students for a career as a Market Researcher or Database Designer who is able to analyze any kind of data that emerges in databases to extract information, it also provides capability in developing Computer Science or Applied Statistics both in Indonesia and among the nations of the world in order to pursue higher degree of education.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	COMP6060	Programming Language Concepts	2	
	COMP6047	Algorithm and Programming	4/2	
	MATH6038	Calculus I*	4	
	MATH6025	Discrete Mathematics*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	

Sem	Code	Course Name	SCU	Total
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	MATH6015	Applied Linear Algebra*	4	
	MATH6039	Calculus II	4	
	COMP6048	Data Structures	4/2	
	STAT6026	Probability and Statistics*	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	STAT6018	Statistical Theory I*	4	
	STAT6094	Statistical Computing Lab*&***	2/2	
	STAT6016	Simulation Techniques	2	
	COMP6056	Program Design Methods	4	
	COMP6175	Object Oriented Programming	2/2	
	COMP6153	Operating System	2/2	
4	ISYS6169	Database Systems	4/2	24
	STAT6058	Sampling Techniques*&***	2	
	STAT6047	Numerical Methods for Statistics*	2	
	STAT6020	Statistical Theory II	4	
	STAT6011	Design and Analysis of Experiments**	4	
	STAT6037	Non Parametric Statistics*	2	
	STAT6085	Regression Analysis*	2/2	
5	STAT6044	Categorical Data Analysis	2	24
	COMP6049	Algorithm Design and Analysis	4	
	STAT6043	Linear Model*	2	
	ENTR6003	Entrepreneurship I	2	
	ISYS6172	Database Design	2/1	
	COMP6057	Software Engineering	4	
	STAT6051	Time Series Analysis*&***	2/1	
	STAT6053	Multivariate Statistics*&***	4	
6	STAT6054	Econometrics*&***	2/1	24
	STAT6036	Stochastic Process*	4	
	COMP6065	Artificial Intelligence	4	
	CPEN6098	Computer Networks	2/2	
	COMP6176	Human and Computer Interaction	2/2	
	STAT6115	Statistical Quality Control**&***	2/1	
	STAT6055	Structural Equation Modeling*&***	2	
7	ENTR6004	Entrepreneurship II	2	24
	COMP6062	Compilation Techniques	4	
	STAT6105	Statistical Marketing Research***	4	
	STAT6040	Scientific Computation*	4	
	STAT6031	Seminar	2	
	MATH6049	Mathematics of Finance*	4	
	STAT6106	Statistical Process Control*	4	

Sem	Code	Course Name	SCU	Total
8	COMP6140	Data Mining	2/2	20
	ISYS6170	Data Warehouse	2/1	
	STAT6050	Survival Analysis*	2/1	
	MOBI6021	Mobile Programming	2/2	
	COMP6064	Geographical Information System	2/1	
	COMP6051	Web Programming	2/1	
9	Enrichment Program		15	15
10	STAT6030	Thesis	6	6
TOTAL CREDITS 202 SCU				

*) This course is delivered in English

***) Entrepreneurship Embedded

***) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program (9th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
STAT6090	Internship	8	15
STAT6091	Data Analysis in Industry	2	
STAT6092	Statistical Program in Industry	2	
STAT6117	EES in Statistics Industry	3	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6292	Business Start Up	8	15
ENTR6206	Business Model & Validation in Statistics	2	
ENTR6207	Launching New Venture in Statistics	2	
ENTR6405	EES in Statistics	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6225	Research Experience	8	15
RSCH6156	Scientific Writing in Statistics	4	
RSCH6210	Global EES in Statistics	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6125	Community Outreach Project Implementation	8	15
CMDV6074	Community Outreach in Statistics Project Design	4	
CMDV6108	Employability and Entrepreneurial Skills in Statistics	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6048	Data Structures*	C
5.	STAT6026	Probability and Statistics	C
6.	MATH6039	Calculus II*	C
7.	COMP6056	Program Design Methods*	C
8.	STAT6020	Statistical Theory II*	C
9.	ISYS6169	Database Systems	C
10.	STAT6085	Regression Analysis	C
11.	COMP6057	Software Engineering*	C
12.	STAT6036	Stochastic Process	C
13.	STAT6053	Multivariate Statistics*	C
14.	STAT6115	Statistical Quality Control	C

*) Tutorial & Multipaper

Mathematics

Introduction

In general, progress of sciences including mathematics has become a basis of industrial and technological revolution. Growth in mathematics has in fact brought various new areas of technological and interdisciplinary sciences. By the presence of medium computers, simulation, and mathematical modeling, it brought also new study areas like intelligent system, fuzzy logic, data security, and others. The contribution of mathematics in the growth of modern technology has been known and confessed as "basic science". The role of technology in global information era which is of vital importance can give an answer to super highway information so that we are able to reduce our out of date achievements in sciences and technology and then face global competition. In dealing with new technology, mathematics students will be able to yield a new breakthrough in facing global competition challenge.

Vision

A world class department in Mathematics based on ICT.

Mission

The mission of Mathematics Program is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental knowledge & skills to apply Computational Mathematics using ICT in developing innovative algorithm and software for a career as an applied mathematician or system analyst;
2. Providing solid learning experience through creating the most creative and value-added talents of leaders for global community as well as conducting professional services to improve the quality of life;
3. Providing high impact research that positively contributing to the quality of life of Indonesians and the international community.

Program Objective

The objectives of the program are:

1. To provide students with a solid knowledge ranging from Fundamental Mathematics and Computer Science to Computational Mathematics and Computing Technology;
2. To provide students with knowledge and abilities in conducting mathematical analysis and modeling to solve problem in related fields to be successful applied mathematics career;
3. To prepare students with necessary techniques & skills in developing innovative algorithm and software to be excellence system analyst.

Student Outcomes

After completing the study, graduates are able to:

1. Explore, logical reasoning, generalization abstraction, and formal proof in formulating and model problems with specific variables and assumptions through mathematical approach with or without mathematical software.
2. Construct, modify, analyze mathematical models of a system/problems, assess accuracy of the models and make conclusions.

3. Analyze various alternative mathematical models that are available and present the conclusions of analysis independently or in groups for making decision.
4. Create software by implementing mathematical models.

Prospective Career of the Graduates

The graduates of the study program Mathematics are able to follow careers in:

1. General (Lecturer, Management trainee)
2. Business (Quantitative credit analyst, Index forecasting analyst, Actuary analyst)
3. Management (Project planning analyst, Decision support system, EDP system)
4. Industry (Inventory control analyst, Queuing analyst, Assignment analyst)
5. Computer System analyst (Remote sensing applications, Image processing, Analyst algorithm, and Simulation programming)
6. Researcher (LIPI, BPPT, Department R&D, BEI)

Curriculum

Mathematics study program curriculum is developed according to the national curriculum of Mathematics Studies, while the local substances are developed according to the ACM (American Computing Machineries), standard curriculum and market demand. As a result, mathematics graduates are expected to be able to compete nationally and internationally.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	COMP6047	Algorithm and Programming	4/2	
	STAT6026	Probability and Statistics	2	
	MATH6038	Calculus I*	4	
	MATH6025	Discrete Mathematics*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	MATH6015	Applied Linear Algebra*	4	
	MATH6016	Calculus II	4	
	COMP6048	Data Structures	4/2	
	MATH6056	Scientific Computing Lab	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	20
	ENTR6003	Entrepreneurship I	2	
	MATH6026	Mathematics Programming*	4	

Sem	Code	Course Name	SCU	Total
3	MATH6008	Mathematical Statistics I*	4	20
	MATH6019	Calculus III	4	
	MATH6057	Ordinary Differential Equations*	2/2	
4	MATH6068	Partial Differential Equations	2	20
	MATH6009	Mathematical Statistics II	4	
	MATH6018	Modern Algebra*	4	
	MATH6059	Geometric Algebra*	4	
	MATH6058	Numerical Methods I*	2	
	MATH6023	Complex Variable Function*	4	
5	MATH6050	Actuarial Mathematics	4	22
	MATH6092	Numerical Methods II	2	
	MATH6095	Applied Mathematics Modeling*/**	2	
	MATH6061	Computational Number Theory*	2/1	
	COMP6051	Web Programming	2/1	
	MATH6064	Applied Projective Geometry	2	
	MATH6021	Real Analysis*	4	
	STAT6021	Research Methodology	2	
6	MATH6043	Seminar	2	22
	ENTR6004	Entrepreneurship II	2	
	MATH6066	Computational Geometry*	2/1	
	MATH6067	Cryptography	2/1	
	MATH6063	Coding Theory*	4	
	MOBI6021	Mobile Programming**	2/2	
	MATH6049	Mathematics of Finance*	4	
7	Enrichment Program		15	15
8	MATH6041	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program (7th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
MATH6073	Internship	8	15
MATH6074	Mathematical Modeling Solution in Industry	2	
MATH6075	Applied Programming in Industry	2	
MATH6114	EES in Mathematics Industry	3	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6291	Business Start Up	8	15
ENTR6203	Business Model & Validation in Mathematics	2	
ENTR6204	Launching New Venture in Mathematics	2	
ENTR6235	EES in New Mathematical Business	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6224	Research Experience	8	15
RSCH6154	Scientific Writing in Mathematics	4	
RSCH6179	Global EES in Mathematics Research	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6124	Community Outreach Project Implementation	8	15
CMDV6072	Community Outreach in Mathematics Project Design	4	
CMDV6095	Employability and Entrepreneurial Skills in Mathematics	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	

Code	Course Name	SCU	Total
GLOB6016	Elective Course for Study Abroad 12	2	15
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6048	Data Structures*	C
5.	MATH6019	Calculus III*	C
6.	MATH6068	Partial Differential Equations	C
7.	MATH6018	Modern Algebra	C
8.	MATH6092	Numerical Methods II*	C
9.	MATH6095	Applied Mathematics Modeling*	C
10.	MATH6066	Computational Geometry	C

*) Tutorial & Multipaper

Statistics

Introduction

In general, progress of sciences including statistics has become a basis of the industrial and technological revolution. Growth in statistics has in fact brought various new areas of technological and interdisciplinary sciences. By the presence of medium computers, simulation, and statistical modeling, it brought also new study areas like quality operation, best quality, forecasting, biostatistics, risk analysis of consumer satisfaction and others.

The contribution of statistics in the growth of modern technology has been known and confessed as "basic science". The role of technology in global information era which is of vital importance can give an answer to super highway information so that we are able to reduce our out of date achievements in sciences and technology and then face global competition. In dealing with new technology, statistics students will be able to yield a new breakthrough in facing global competition challenge.

Vision

A world class department in Statistics based on ICT.

Mission

The mission of Statistics Program is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental knowledge & skills to apply Computational Statistics using ICT in acquiring business information for a career as a market researcher or business analyst;

2. Providing solid learning experience through creating the most creative and value-added talents of leaders for global community as well as conducting professional services to improve the quality of life;
3. Providing high impact research that positively contributing to the quality of life in Indonesia and the international community.

Program Objective

The objectives of the program are:

1. To provide students with a solid knowledge ranging from Fundamental Statistics and Computer Science to Computational Statistics and Database Technology;
2. To provide students with abilities conduct statistical analysis and marketing research to solve problem in related fields to be successful market researcher;
3. To prepare students with necessary skills in developing database and be expert in data mining to be excellence business analyst.

Student Outcomes

After completing the study, graduates are able to:

1. Perform the experimental design, collection and generate data (in survey, experiments or simulations), organizing data, analyzing data using statistical techniques, and valid conclusion by using at least one statistical software.
2. Resolve the problem assessment (estimation), testing hypothesis, prediction and forecasting on several fronts, using data and statistical methodologies (methods and models) and presenting it in a form that easily understood by the description of the user.
3. Analyze and alternative solution in statistical field to solve the problems and able to present the conclusions analysis for making the right decision.
4. Implement statistical models into software solutions needed.

Prospective Career of the Graduates

The graduates of the study program Statistics are able to follow careers in:

1. General (Lecturer, Business consultant, Surveyor, and Pollster)
2. Business (Quantitative credit analyst, forecasting analyst, Actuary analyst)
3. Management (Quality operation procedure analyst, Sale forecast analyst, Profit growth analyst, Export-Import analyst, Business index analyst)
4. Computer (System simulation, Pattern recognition, Image processing)
5. Research (LIPI, BPPT, BPS, R&D Department, BEI)

Curriculum

Statistics study program curriculum is developed according to the national curriculum of Statistics Studies, while the local substances are developed according to the ACM (American Computing Machineries), standard curriculum, and market demand. As a result, statistics graduates are expected to be able to compete nationally and internationally.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	STAT6026	Probability and Statistics	2	
	COMP6047	Algorithm and Programming	4/2	
	MATH6038	Calculus I*	4	
	MATH6025	Discrete Mathematics*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	MATH6015	Applied Linear Algebra*	4	
	MATH6039	Calculus II	4	
	COMP6048	Data Structures	4/2	
	COMP6060	Programming Language Concepts	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	20
	STAT6018	Statistical Theory I*	4	
	STAT6058	Sampling Techniques*	2	
	STAT6047	Numerical Methods for Statistics*	2	
	STAT6094	Statistical Computing Lab*	2/2	
	ISYS6169	Database Systems	4/2	
4	STAT6016	Simulation Techniques	2	20
	ENTR6003	Entrepreneurship I	2	
	STAT6020	Statistical Theory II	4	
	STAT6011	Design and Analysis of Experiments	4	
	STAT6037	Non Parametric Statistics*	2	
	STAT6085	Regression Analysis*	2/2	
	STAT6044	Categorical Data Analysis	2	
5	STAT6043	Linear Model*	2	22
	STAT6055	Structural Equation Modeling*	2	
	STAT6040	Scientific Computation*	4	
	STAT6053	Multivariate Statistics*	4	
	STAT6054	Econometrics*	2/1	
	STAT6036	Stochastic Process*	4	
	STAT6115	Statistical Quality Control**	2/1	
6	STAT6051	Time Series Analysis*	2/1	22
	ENTR6004	Entrepreneurship II	2	
	STAT6105	Statistical Marketing Research*/**	4	
	STAT6031	Seminar	2	
	MATH6049	Mathematics of Finance*	4	
	STAT6106	Statistical Process Control*	4	
	STAT6050	Survival Analysis*	2/1	
7	Enrichment Program		15	15
8	STAT6030	Thesis	6	6
TOTAL CREDITS			146 SCU	

*) This course is delivered in English

**) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program (7th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
STAT6090	Internship	8	15
STAT6091	Data Analysis in Industry	2	
STAT6092	Statistical Program in Industry	2	
STAT6117	EES in Statistics Industry	3	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6292	Business Start Up	8	15
ENTR6206	Business Model & Validation in Statistics	2	
ENTR6207	Launching New Venture in Statistics	2	
ENTR6405	EES in Statistics	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6225	Research Experience	8	15
RSCH6156	Scientific Writing in Statistics	4	
RSCH6210	Global EES in Statistics	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6125	Community Outreach Project Implementation	8	15
CMDV6074	Community Outreach in Statistics Project Design	4	
CMDV6108	Employability and Entrepreneurial Skills in Statistics	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMP6047	Algorithm and Programming*	C
4.	COMP6048	Data Structures*	C
5.	STAT6026	Probability and Statistics	C
6.	MATH6039	Calculus II*	C
7.	STAT6020	Statistical Theory II*	C
8.	STAT6085	Regression Analysis	C
9.	STAT6036	Stochastic Process	C
10.	STAT6053	Multivariate Statistics*	C

*) Tutorial & Multipaper

2.2.2 School of Information Systems

In line with the development of STMIK BINA NUSANTARA becoming BINA NUSANTARA UNIVERSITY in 1996, School of Information Systems now manages the study programs under Bina Nusantara University.

School of Information Systems offers 4 programs within, they are Information Systems, Accounting Information Systems, Information Systems Audit, Business Information Technology and 2 double degree programs are Information Systems & Accounting and Information Systems & Management and Computerized Accounting for Diploma Program.

Domain of Studies at School of Information systems are Information Technology and Business. All programs under School of Information Systems focus on these two domain of studies, the basic competency of graduate from School of Information Systems is the ability to deploy and manage Information Technology in Business.

Information Systems

Introduction

The need for Information technology in the business industry has shifted into an environment that is more outward looking in order to compete in the free market. Information Technology is closely related to Information Systems in their joint support of the organization. They facilitate the smooth running of the whole organization and strengthen its competitiveness.

Information systems as a discipline make positive contribution to organizations, especially in information era, where the information accessed and distributed easily. Information systems helps organization in managing data as an asset, that data collected and presented by information systems could be used for problem solving and management decisions making.

The Information Systems Study Program was founded to meet the demand for skilled human resources in the field of information systems. The scope of study in the Program includes Information Systems: information systems development including information systems analysis, design and implementation (programming), management information systems, business process analysis and design, enterprise systems, database analysis and design, and information system project management.

Vision

A study program of choice that excels in providing high-level Information system education is specialized in business-IT, recognized internationally, and champions innovation. We produce graduates with international qualifications.

Mission

The mission of Information System Department is to contribute to the global community through the provision of world-class education by:

1. Nurturing students and lecturers with creative and value-adding talents in Information System by creating a suitable environment;

2. Educating students in information systems, covering knowledge and skills in analyzing, designing and implementing information systems for improving business processes and to be able to create an innovative and valuable information system solution, through intensive learning process, research activities and collaboration with global industries;
3. Providing integrated knowledge to pursue further studies and create outstanding professionals, entrepreneurs, and leaders for a global community;
4. Providing professional services in Information System with an emphasis on the application of knowledge to society;
5. Improving the quality of life of Indonesians and the international community through leveraging Information system solutions.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of system development skills and knowledge that they will need as a system analyst;
2. To prepare students with skills and in depth knowledge of information systems related to business intelligence, e-business and strategic information systems;
3. To provide students with the ability to use applied business knowledge for specific industry purposes.

Student Outcomes

After completing the study, graduates are:

1. Able to identify and formulate the root cause of system performance information through data analysis and information on business processes;
2. Able to identify the needs of the database for building information systems;
3. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations;
4. Able to design, create, manipulate and implement computer based information system for new business model;
5. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;
6. Able to manage, integrate and add value to the results of data analysis to generate quality information for organization needs;
7. Able to identify needs, design and implement system and ICT to build a web based business application for the organization;
8. Able to evaluate business process integration and corporate strategy for designing an integrated information system in an organization.

Prospective Career of the Graduates

Graduates will have the necessary skills to work as:

1. System Analyst
2. Business Analyst
3. Business Process Analyst
4. E-Business Specialist
5. ERP Specialist
6. IT Architect
7. IT Consultant
8. System Designer
9. Database Administrator
10. Database Analyst
11. Data Scientist
12. User Experience Designer
13. IT/IS Consultant
14. Application Developer
15. Web-Developer/Web-Designer

Curriculum

The Information Systems Study Program curriculum is designed by referring to the curriculum recommended by Association for Computing Machinery (ACM) and Association for Information Systems (AIS) for model curriculum and guidelines for undergraduate degree program in Information Systems. In addition, the curriculum has been influenced by foreign universities with a reputation for quality Information Systems Study Programs.

The curriculum for the next four years, therefore, consists of:

1. Information Systems, Business Process and Enterprise Systems.
2. Database, Information and Knowledge Management.
3. Information Systems Analysis and Design.
4. Programming, Testing, and Implementation.
5. Financial Accounting, Statistics, Research Methodology.
6. Concentration Subject: Strategic Information System, Business Intelligence, Digital Business, Applied Database and Applied ERP.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ACCT6133	Introduction to Financial Accounting	4	20
	ISYS6186	Business Process Fundamental*&***	4	
	ISYS6093	Information System Concept*&***	4	
	STAT6140	Business Statistics	2	
	COMP6178	Introduction to Programming	2/2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ISYS6123	Introduction to Database Systems*&***	2/2	
	ISYS6188	Information Systems Analysis and Design**	2/2	
	ISYS6189	Management Information Systems*&***	4	
	ISYS6197	Business Application Development	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	ISYS6126	Enterprise System*&***	4	
	ENTR6003	Entrepreneurship I	2	
	ISYS6209	User Experience**	2/2	
	ISYS6264	Testing and System Implementation*&***	4	
	ISYS6478	Research Methods in Information Systems	2	
	ISYS6198	Data and Information Management**	4	
4	CHAR6015	Character Building: Agama	2	22
	ISYS6163	Advanced Information System Analysis and Design**&****	4/2	
	ISYS6256	Information Systems Project Management*&***	4	
	Streaming : Business Intelligence			
	ISYS6283	Business Intelligence**	4	
	ISYS6210	Data Visualization*	2	
	ISYS6190	Advance in Data & Information Management	4	
	Streaming : Strategic Information System			
	ISYS6146	Information System Security*	2	
	ISYS6206	IS Strategy, Management and Acquisition**	4	
	ISYS6284	Analytical Information System	4	
	Streaming : e-Business			
	ISYS6211	Web Based Application Development	2/2	
	ISYS6285	Digital and New Media*&***	2	
	ISYS6204	e-Business Design	4	

Sem	Code	Course Name	SCU	Total
4	Streaming : Applied ERP			22
	ISYS6146	Information System Security*	2	
	ISYS6442	Applied ERP: Fundamental	4	
	ISYS6206	IS Strategy, Management and Acquisition**	4	
	Streaming : Applied Database			
	ISYS6283	Business Intelligence**	4	
	ISYS6210	Data Visualization*	2	
	ISYS7155	Applied Database I	4	
5	ISYS8108	Knowledge Management*&**	4	24
	ENTR6004	Entrepreneurship II	2	
	ISYS6477	Advanced in Business Application Development**&****	4/2	
	Streaming: Business Intelligence			
	ISYS6200	Data Warehouse**	4/2	
	ISYS6199	Data & Text Mining	4	
	ISYS6196	Business Analytics*	2	
	Streaming : Strategic Information System			
	ISYS6205	Enterprise Architecture**	4	
	ISYS8066	Business Process Management	4	
	ISYS6202	Social Informatics*	4	
	Streaming : e-Business			
	ISYS6187	Business Web Solution**	4	
	ISYS6289	Collaborative Computing*	4	
	ISYS6203	Mobile Applications Development	2/2	
	Streaming : Applied ERP			
	ISYS6205	Enterprise Architecture**	4	
	Elective Courses of Applied ERP Streaming****			
	ISYS6443	Applied ERP: Business Process in Sales and Distribution*	4	
	ISYS6444	Applied ERP: Business Process in Procurement	4	
	ISYS6445	Applied ERP: Business Process in Human Capital Management	4	
	ISYS6446	Applied ERP: Business Process in Financial Accounting*	4	
	Streaming : Applied Database			
	ISYS6201	Data Warehouse & Data Mining**	4	
	ISYS7156	Applied Database II	4	
	ISYS7157	Applied Database III*	4	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	ISYS6117	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) *Entrepreneurship Embedded*

****) *Elective Courses of Applied ERP Streaming: Students in Applied ERP Streaming will choose 2 courses (ISYS6443 and ISYS6444; or ISYS6445 and ISYS6446) from elective course list on 5th semester*

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation

-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1			v						v			
2				v			v					
3					v		v					
4		v						v				
5		v					v					
6	v						v					
7	v							v				
8	v									v		
9	v										v	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ISYS6215	Experience in Industry	8	
COMM6225	Business Communication	3	
ISYS6192	Requirement and Solution for Information Systems	4	
Enrichment Program II			16
ISYS6347	Professional Program in Industry	8	
BUSS6057	Business Ethic	4	
ISYS6193	Design and Evaluation for Information Systems	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6325	Business Start Up	8	
ENTR6048	Business Model & Validation for Information Systems Project	2	
ENTR6049	Launching New Ventures for Information Technology Business	2	
ENTR6376	EES in New Information Systems Business	3	
Enrichment Program II			16
ENTR6353	Growing a Business	8	
ENTR6065	Lean Start Up & Business Plan for Information Technology Business	2	
ENTR6066	Venture Capital for Information Technology Business	2	
ENTR6364	EES in Information Systems Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6275	Research Experience	8	
RSCH6110	Scientific Writing in Information Systems Research	4	
RSCH6295	EES in Information Systems Research	3	
Enrichment Program II			16
RSCH6412	Information Systems Research Experience	8	
RSCH6413	Scientific Writing in Information Systems	4	
RSCH6414	Global Employability and Entrepreneurial Skills in Information Systems Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6156	Community Outreach Project Implementation	8	
CMDV6035	Community Outreach Project Design in Information Systems	4	
CMDV6200	Employability and Entrepreneurial Skills in Information Systems Community	3	
Enrichment Program II			16
CMDV6156	Community Outreach Project Implementation	8	
CMDV6035	Community Outreach Project Design in Information Systems	4	
CMDV6175	Employability and Entrepreneurial Skills in Information Systems Community	4	

Enrichment Study Abroad Track

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ISYS6126	Enterprise System	C
4.	ISYS6188	Information Systems Analysis and Design*	C
5.	ISYS6198	Data and Information Management*	C
6.	ISYS6256	Information Systems Project Management	C
Stream : Business Intelligence			
7.	ISYS6283	Business Intelligence*	C
8.	ISYS6200	Data Warehouse	C
Stream : Strategic Information System			
7.	ISYS6206	IS Strategy, Management and Acquisition	C
8.	ISYS6205	Enterprise Architecture*	C
Stream : e-Business			
7.	ISYS6204	e-Business Design*	C
8.	ISYS6187	Business Web Solution	C
Stream : Applied ERP			
7.	ISYS6206	IS Strategy, Management and Acquisition	C
8.	ISYS6205	Enterprise Architecture*	C
Stream : Applied Database			
7.	ISYS6283	Business Intelligence*	C
8.	ISYS6201	Data Warehouse & Data Mining	C

*) Tutorial & Multipaper

Computerized Accounting

Introduction

The improvement of Information technology has encouraged national and international industries to implement the company's computerized information systems in all fields. One area which is an important function in a company, the accounting and finance field that be in every company both manufacturing and non-manufacturing, most have implemented a computerized information system widely in processing financial transactions from the beginning of the business process to the company's financial reporting.

Since most of the areas of accounting and finance are based on information technology, the need for workers with accounting and financial capability is a must, and also master the latest information technology. The ability to use business applications and accounting applications with scientific understanding and good communication is a basic requirement in the industry.

Computerized Accounting is an excellent option for those who want to turn their Accounting and computer skills into viable careers, why?

Computerized Accounting skills are essential to any business practice

The manual accounting system is being replaced by computerized systems.

Today, employment is required capability that is ready to work

Once you complete a Computerized Accounting, you could work for almost any business in any industry.

The Computerized Accounting Study Program Bina Nusantara University prepares graduates to become a professional in the field of ICT-based Accounting and Finance. Provide a learning experience while working in industry. Graduates will have the ability to master the accounting and information technology in the form of business and accounting applications.

Vision

Becoming a study program of choice in Computerized Accounting Diploma Program which specializes in Accounting Information Technology Application, is recognized nationally and delivers qualified graduates.

Mission

The mission of Computerized Accounting Department is to contribute to the global community through the provision of world-class education by:

1. Recognizing and rewarding the most creative and value adding talents;
2. Educating students with knowledge, practices and good character in accounting information technology through hands-on experience in the use of accounting software;
3. Preparing graduates in global industry/entrepreneurship by providing conducive learning process, practical instruction in business applications, intensive research activities and collaboration with global industries;
4. Conducting professional services focuses on Business applications with an emphasis on application of knowledge to the society;
5. Improving the quality of life on Indonesians and the international community through Business Applications sharing knowledge to society.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of accounting and business process knowledge as professional computerized accountant;
2. To provide students with applied accounting and business application knowledge for specific industry purposes;
3. To provide students with hands-on skills and knowledge to enter accounting field in any type of general office environment.

Student Outcomes

After completing the study, graduates are:

1. Able to create information system software on a variety transaction (human resources, tax, finance, production, assets, purchasing, and marketing);
2. Able to identify and analyze problems in information system software related transaction information in a variety of functions (human resources, tax, finance, production, assets, purchasing, and marketing);
3. Able to choose software development method and accounting system method to include transaction in a variety of functions (human resources, tax, finance, production, assets, purchasing, and marketing);

4. Able to operate accounting information system software in preparing and presenting financial report in accordance with financial accounting standard with the aim of providing financial and business performance information;
5. Able to implement the basic of taxation concept in accounting information concept based on applicable tax regulation;
6. Able to identify needs of accounting information system related in transaction in a variety of function (human resources, tax, finance, production, assets, purchasing, and marketing);
7. Able to evaluate business process of accounting information system in manufacture industry, services and trade related business functions within the organization;
8. Able to develop accounting information system software in the process of recording transaction in business functions within the organization;
9. Able to operate software in presenting the organization's budget plan.

Prospective Career of the Graduates

Working in the field of computerized Accounting and Finance for national and international companies or develop business in ICT-based accounting and finance.

Curriculum

Generally, the subjects of the curriculum are divided into these following groups of subjects:

IT Business Application

The objective of this group is to provide the skill to use IT Business Application as one of the competencies in Computerized Accounting. And also to give the knowledge about the latest IT Business application trends.

Specific Business Process

The objective of this group is to provide an understanding of the business process for specific industries to help students understand the needs of the industry.

Accounting Application

The objective of this group is to provide the skill to use accounting application that is commonly used in the industry and to applied the accounting concept to applications.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ACCT5106	Accounting Principles I	2/2	20
	COMP6088	Introduction to Information Technology	2	
	COMP5050	Introduction to Programming	2/4	
	ACCT5107	Accounting Principles II	2/2	
	CHAR6023	Character Building: Pancasila	2	
	CHAR6024	Character Building: Kewarganegaraan	2	
2	CHAR6025	Character Building: Agama	2	20
	ACCT5108	Intermediate Accounting I	2/2	
	COMP5146	Business Application Development	2/4	
	ISYS5185	Information System Concept	2	
	ACCT5109	Intermediate Accounting II	2/2	
	ENTR6003	Entrepreneurship I	2	
3	ACCT5110	Cost Accounting I	2/2	24
	ACCT5111	Cost Accounting II	2/2	
	ISYS5350	Business Process Fundamental	2	
	LANG6032	English Professional	4	
	ISYS6095	Information System Development	2/2	
	ISYS6349	Introduction to Database	2/2	
4	ENTR6004	Entrepreneurship II	2	24
	ISYS6005	Accounting Information Systems	4/2	
	ACCT5112	Advanced Accounting I	2/2	
	ISYS5351	Information Systems Project Management	2/2	
	COMP5164	Web Based Application Development	2/2	
	ACCT5113	Advanced Accounting II	2/2	
5	ISYS5044	Professional Ethics	2	16
	TAXN5018	Taxation Accounting	2/2	
	ISYS5180	Internship	4	
	STAT6021	Research Methodology	2	
	FINC5094	Corporate Budgeting	2	
6	FINC5044	Financial Management	2/2	6
	ISYS5352	Final Project	6	
TOTAL CREDITS 110 SCU				

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6023	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ACCT5106	Accounting Principles I	C
4.	COMP5050	Introduction to Programming	C
5.	ISYS5185	Information System Concept	C
6.	ISYS6095	Information System Development	C
7.	ISYS5350	Business Process Fundamental	C
8.	ISYS6005	Accounting Information Systems	C

Accounting Information Systems

Introduction

The development of information technology impacts significantly on various fields and activities. The biggest impact can be seen in accounting practice. The changes are becoming more and more complex as there are shifts in business activities, such as in organization management, the concept of change management, and integration activities making closer ties among suppliers, customers, and even competitors.

As a result, the skills needed in today's IT organization are as varied as those needed in any business unit in the company. All types of skills are necessary, not just technical skills. For IT people to advance, they need to develop capabilities related to project management, financial management, performance measurement, one-on-one and group communications as well as written communications, organizational and people development, and relationship management.

The Accounting Information Systems program which is offered by the School of Information Systems will enable students to gain a solid business background, as well as be mastering the accounting practice and management of information system, hence will develop a unique competency which will be a competitive advantage for them to succeed in today's global competition.

Vision

To be the chosen program by providing a high quality accounting information system education to deliver graduates with international qualifications.

Mission

The mission of Accounting Information Systems Program is to contribute to the global community through the provision of world-class education by:

1. Recognizing and rewarding the most creative and value adding talents;
2. Educating students about analytical and problem solving skills, and good character in business information systems and information technology valuation;
3. Preparing graduates for global industry/entrepreneurship and continue for advanced degrees, by providing a conducive learning process, intensive applied research activities and collaboration with global industries;
4. Conducting professional services in Accounting Information System with an emphasis on the application of knowledge to society;
5. Improving the quality of life for Indonesians and the international community through sharing knowledge of Business Applications.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of accounting, business process knowledge and applied skills and abilities that they will need as a system analyst;
2. To provide students with the techniques and knowledge to analyze accounting information system as an accounting cycle system analyst or consultant;

3. To provide students with techniques and knowledge to design and construct accounting information system;
4. To provide students with applied business application knowledge for specific industry purposes.

Student Outcomes

After completing the study, graduates are:

1. Able to identify and formulate the root cause of system performance information through data analysis and information on business processes;
2. Able to identify the needs of the database for building information systems;
3. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations;
4. Able to design, create, manipulate and implement computer based information systems for new business model;
5. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;
6. Able to identify needs analysis, design and implement accounting information system in organizations.

Prospective Career of the Graduates

Work domains for the graduates of Accounting Information Systems program are:

1. System analyst, System designer, or System development project team leader
2. Business analyst or business consultant
3. Accounting Information Systems Specialist or Information specialist
4. Information Systems Consultant
5. Management development program in a service, commerce, or industry
6. Financial evaluator or controller in a public company
7. Working in government institution or non-profit organization
8. Instructor or lecturer in the education institution
9. Working in research area
10. Develop entrepreneurship

Curriculum

The Accounting Information Systems curriculum is in alignment with ACM-Information Systems Curriculum and National Standard Curriculum. The curriculum requires 146 credits and consists of information systems courses and specific courses in Accounting Information systems. The curriculum is designed to combine both IT planning and system design, as a result Graduates would be able to construct an information technology budget and portfolio for an enterprise, assess information technology investment performance, as well as analyzing business process and recommend the right integrated business system solution. The successful candidate will get an S.Kom degree.

Course Structure

Sem	Code	Course Name	SCU	Total
1	COMP6178	Introduction to Programming	2/2	20
	ACCT6133	Introduction to Financial Accounting	4	
	ISYS6186	Business Process Fundamental*	4	
	ISYS6093	Information System Concept*	4	
	STAT6140	Business Statistics	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ISYS6212	Accounting Information System Development**&***	2/2	
	ACCT6134	Intermediate Accounting**	4	
	ISYS6123	Introduction to Database Systems*	2/2	
	ISYS6197	Business Application Development	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
3	ENGL6131	English for Written Business Communication	2	24
	CHAR6014	Character Building: Kewarganegaraan	2	
	ENTR6003	Entrepreneurship I	2	
	ISYS6209	User Experience	2/2	
	ISYS6037	Manufacturing Information System*&***	4	
	ISYS6126	Enterprise System*	4	
	ACCT6117	Advanced Accounting	4	
	ISYS6198	Data and Information Management	4	
4	CHAR6015	Character Building: Agama	2	22
	ISYS6336	Services Information System**	2	
	ISYS6015	Accounting Information Systems Analysis and Design*,&***&****	4	
	ISYS6338	Testing and System Implementation*	2	
	ACCT6013	Cost Accounting*&***	4	
	TAXN6019	Taxation	4	
	Elective Courses****			
	FINC6001	Financial Management	4	
5	ISYS6442	Applied ERP: Fundamental	4	22
	ENTR6004	Entrepreneurship II	2	
	ISYS6477	Advanced in Business Application Development***	4/2	
	ISYS6478	Research Methods in Information Systems	2	
	ISYS6256	Information Systems Project Management*	4	
	Elective Courses****			
	ACCT6010	IT Cost Management**	4	
	ACCT6269	IT Budgeting**	4	
	ISYS6444	Applied ERP: Business Process in Procurement	4	
	ISYS6446	Applied ERP: Business Process in Financial Accounting	4	

Sem	Code	Course Name	SCU	Total
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	ISYS6018	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

****) Elective Courses:

- Students choose 4 credits of elective courses (on 4th Semester)
- Students choose 2 courses (ACCT6010 and ACCT6269; or ISYS6444 and ISYS6446) of elective courses (on 5th Semester)

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1			v						v			
2				v			v					
3					v		v					
4		v						v				
5		v					v					
6	v						v					
7	v							v				
8	v									v		
9	v										v	

Notes:

- IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ISYS6345	Experience in Industry	8	
ISYS6230	Accounting Information Systems in Industry	4	
COMM6226	Business Communication	3	
Enrichment Program II			16
ISYS6346	Professional Program in Industry	8	
ISYS6231	Financial Accounting Information Systems	4	
BUSS6056	Business Ethic	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6327	Business Start Up	8	
ENTR6145	Business Model for Technopreneur	2	
ENTR6146	Launching New Venture for Technopreneur	2	
ENTR6378	EES in New Information Systems Business	3	
Enrichment Program II			16
ENTR6355	Growing a Business	8	
ENTR6147	Lean Start Up & Business Plan for Technopreneur	2	
ENTR6148	Venture Capital for Technopreneur	2	
ENTR6366	EES in Information Systems Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6276	Research Experience	8	
RSCH6203	Scientific Writing in Information Systems Research	4	
RSCH6296	EES in Information Systems Research	3	
Enrichment Program II			16
RSCH6421	Information Systems Research Experience	8	
RSCH6422	Scientific Writing in Information Systems	4	
RSCH6423	Global Employability and Entrepreneurial Skills in Information Systems Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6158	Community Outreach Project Implementation	8	
CMDV6039	Community Outreach Accounting Information System Project Design	4	
CMDV6202	Employability and Entrepreneurial Skills in Information Systems Community	3	
Enrichment Program II			16
CMDV6158	Community Outreach Project Implementation	8	
CMDV6039	Community Outreach Accounting Information System Project Design	4	
CMDV6177	Employability and Entrepreneurial Skills in Information Systems Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	

Code	Course Name	SCU	Total
GLOB6013	Elective Course for Study Abroad 9	2	16
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ISYS6015	Accounting Information Systems Analysis and Design	C
4.	ISYS6126	Enterprise System*	C
5.	ISYS6198	Data and Information Management*	C
6.	ISYS6256	Information Systems Project Management*	C
7.	ACCT6013	Cost Accounting	C
8.	ISYS6212	Accounting Information System Development	C

*) Tutorial & Multipaper

Information Systems Audit

Introduction

IS/IT is essential to manage transactions, information, and knowledge necessary to initiate and sustain economic and social activities. These activities increasingly rely on globally cooperating entities to be successful. In many organizations, IS/IT is fundamental to support, sustain and grow the business. While many organizations recognize the potential benefits that technology can yield, the successful ones also understand and manage the risks associated with implementing new technologies.

Therefore, in many organizations especially in an accounting firm as an external auditor and IT-dependent company such as banking, telecommunication and oil and gas- as internal IS Auditor, the demand of Information System (IS) Auditor are growing every year. Because of that, BINUS UNIVERSITY offering ISA Program to fulfill the demand of IS Auditor and preparing knowledgeable fresh graduate.

Vision

World class program in Information Systems Audit to pursuit the innovation and enterprise in IT auditing and Assurance.

Mission

The mission of Information Systems Audit Program is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental knowledge and skills in Information Systems Audit, IT management, information system development to become professional IT based auditor or practices consultant and prepare them for continuing for advanced degrees;
2. Conducting professional services in information systems audit based on national or international standards with an emphasis on application of knowledge to the society;
3. Recognizing and rewarding the most talented graduated by promoting them in global industry;
4. Improving the quality of life in Indonesia and international community through sharing information systems audit knowledge to society;
5. Conducting intensive applied research activities in information systems audit and collaboration with global industries.

Program Objective

The objectives of the program are:

1. To provide student with a solid foundation of IT management and IS development ranging from fundamental principles to applied skills and ability in IT Service Delivery and Support, System and infrastructure life cycle management they will need in IS professional career;
2. To provide student with a solid foundation of information systems based audit ranging from fundamental principles to applied skills and ability in IS Risk Management, IT Governance, and protection of information assets they will need in IS audit professional career.

Student Outcomes

After completing the study, graduates are:

1. Able to identify and formulate the root cause of system performance information through data analysis and information on business processes;
2. Able to identify the needs of the database for building information systems;
3. Able to design, create and manipulate and implement computer-based information system independently or in groups through the study of information systems to develop a strategic plan at the level of small and medium organizations;
4. Able to design, create, manipulate and implement computer based information system for new business model and processes in an organization at the level of small and medium-sized;
5. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;
6. Able of identifying and tracking the utilization and use of information systems and Information & Communication Technology is based on the principles of governance;
7. Able to use various accepted information systems audit standard or best practice for IS/IT Audit;
8. Able to examine business continuity and analyze disaster recovery plan.

Prospective Career of the Graduates

After graduating from Information Systems Audit Program, students can have career as:

- Internal IS/IT Auditor
- IS Security Consultant
- IS Risk Management and Assurance Advisor
- Forensic Analyst
- External IS/IT Auditor
- Systems Analyst
- Systems Designer
- Business Process Analyst
- Business Start Up Leader

Curriculum

Information Systems Audit curriculum has developed according to ACM–Information Systems Curriculum combined with ISACA Model Curriculum for IS Audit and Control. According to ISACA Model Curriculum for IS audit and control, the topics covered by model area consist of six content domains which are the IS audit process domain, IT Governance domain, system and infrastructure lifecycle management domain, IT service delivery and support domain, protection of information asset domain, and business continuity and disaster recovery domain. The following is the overview framework of ISACA Curriculum.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6093	Information System Concept*	4	20
	STAT6140	Business Statistics	2	
	COMP6178	Introduction to Programming	2/2	
	ACCT6133	Introduction to Financial Accounting	4	
	ISYS6186	Business Process Fundamental*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ISYS6123	Introduction to Database Systems*	2/2	
	ISYS6188	Information Systems Analysis and Design	2/2	
	ISYS6189	Management Information Systems*	4	
	ISYS6197	Business Application Development	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	

Sem	Code	Course Name	SCU	Total
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	ENTR6003	Entrepreneurship I	2	
	ISYS6205	Enterprise Architecture	4	
	ISYS6264	Testing and System Implementation*	4	
	ISYS6126	Enterprise System*	4	
	ISYS6478	Research Methods in Information Systems	2	
	ISYS6198	Data and Information Management	4	
4	CHAR6015	Character Building: Agama	2	24
	ISYS6151	Information System Security**	4	
	ISYS6403	Computer Assisted Audit Tools & Techniques I**	2	
	ISYS6340	Information System Investigation**&***	4	
	ISYS6341	Information System Audit**	4	
	ISYS6256	Information Systems Project Management*	4	
	ISYS6206	IS Strategy, Management & Acquisition	4	
5	ENTR6004	Entrepreneurship II	2	22
	ISYS6342	Information System Control**&***	4	
	ISYS6343	Information System Quality Assurance**&***	4	
	ISYS6353	IT Governance**&***	4	
	ISYS6266	Business Continuity and Disaster Recovery**	2	
	ISYS6404	Computer Assisted Audit Tools & Techniques II**	2	
	ISYS7052	IS Risk Management**&***	4	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	ISYS6056	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1			v						v			
2				v			v					
3					v		v					
4		v						v				
5		v					v					
6	v						v					
7	v							v				
8	v									v		
9	v										v	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ISYS6207	Industrial Experience	8	
COMM6227	Business Communication	3	
ISYS6232	Applied Topics in Information Systems Audit	4	
Enrichment Program II			16
ISYS6208	Professional Experience	8	
BUSS6058	Business Ethic	4	
ISYS6233	Advanced Topics in Information Systems Audit	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6326	Business Start Up	8	
ENTR6275	Business Model for Technopreneur	2	
ENTR6282	Launching New Venture for Technopreneur	2	
ENTR6377	EES in New Information Systems Business	3	
Enrichment Program II			16
ENTR6354	Growing a Business	8	
ENTR6283	Lean Startup & Business Plan for Technopreneur	2	
ENTR6284	Venture Capital for Technopreneur	2	
ENTR6365	EES in Information Systems Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6276	Research Experience	8	
RSCH6203	Scientific Writing in Information Systems Research	4	
RSCH6296	EES in Information Systems Research	3	
Enrichment Program II			16
RSCH6418	Information Systems Research Experience	8	
RSCH6419	Scientific Writing in Information Systems	4	
RSCH6420	Global Employability and Entrepreneurial Skills in Information Systems Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6157	Community Outreach Project Implementation	8	
CMDV6040	Community Outreach IS Audit Project Design	4	
CMDV6201	Employability and Entrepreneurial Skills in Information Systems Community	3	
Enrichment Program II			16
CMDV6157	Community Outreach Project Implementation	8	
CMDV6040	Community Outreach IS Audit Project Design	4	
CMDV6116	Employability and Entrepreneurial Skills in Information Systems Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

Code	Course Name	SCU	Total
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ISYS6188	Information Systems Analysis and Design*	C
4.	ISYS6126	Enterprise System	C
5.	ISYS6198	Data and Information Management*	C
6.	ISYS6256	Information Systems Project Management	C
7.	ISYS6341	Information System Audit	C
8.	ISYS7052	IS Risk Management*	C

*) Tutorial & Multipaper

Information Systems & Accounting

Introduction

With increased levels of globalization, business is becoming more competitive. Consequently, the business professional should be able to access reliable and accurate information, particularly in the financial market in order to remain competitive. Thus, an understanding of Information Systems and Accounting becomes one of the significant requirements in the global era. Therefore, it also drives accountants to master in Information Technology. In this respect, BINA NUSANTARA UNIVERSITY offers a double degree program, Information Systems and Accounting which is a combination of the Accounting program and Information Systems program. This combined program of study has achieved accreditation from the National Accreditation Board for Highly Educational Institutions of Ministry of Research, Technology and Higher Education of the Republic of Indonesia.

Vision

A program of choice in Information Systems and Accounting which excels in developing Corporate Finance Information Systems for Industry, is recognized internationally, champions innovation and delivers graduates with international qualifications.

Mission

The mission of Information System and Accounting Program is to contribute to the global community through the provision of world-class education by:

1. Educating the students about analytical and problem solving skills, knowledge and good character in Accounting and Information Systems, and to manage business solutions from a Financial perspective;
2. Preparing graduates for the global industry and/ or entrepreneurship, and continue for advanced degrees, by providing a conducive learning process, intensive research activities and collaboration with global industries;
3. Conducting professional services focused on Accounting and Information systems with an emphasis on application of knowledge to society;
4. To improve the quality of life of Indonesians and the international community through the sharing of knowledge in accounting and information system to society;
5. Recognizing and rewarding the most creative and value adding talents.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation in accounting knowledge, from fundamental principles to applied skills and abilities so that they will be able to work with responsibility in line with financial principles, audit standards, and approved managerial finance and accounting expectations;
2. To provide students with a solid foundation of accounting knowledge, from fundamental principles to applied skills and abilities that they will be able to use in the field of information systems;
3. To provide students with a solid foundation of Accounting and Information Systems knowledge that enables them to develop a corporate information system in specific industries.

Student Outcomes

After completing the study, graduates are:

1. Able to prepare financial reports for business entities based on current Global Generally Accepted Accounting Principles (GGAAP);
2. Able to prepare management reports based on accounting knowledge to support planning, controlling, and decision-making;
3. Able to analyze financial statements, management reports, business and control risks and give the recommendation to improve effectiveness of entities' financial performance;
4. Able to organize audit field work in accordance to Global Generally Accepted Auditing Standard (GGAAS);
5. Able to analyze and give recommendations to improve the effectiveness of accounting information system;
6. Able to identify and formulate the root cause of system performance information through data analysis and information on business processes;
7. Able to identify the needs of the database for building information systems;

8. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations;
9. Able to design, create, manipulate and implement computer based information system for new business model;
10. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;
11. Able to perform various type of auditing which includes financial statement and management audit under relevant standards and gives recommendation and opinions based on audit findings;
12. Able to develop various solutions to solve tax problems based on tax regulations;
13. Able to give a recommendation for strategic decision making in taxation based on tax regulations;
14. Able to identify the requirements, designing and implementing accounting information systems for organizations;
15. Able to identify needs, design and implement system and ICT to build a web based business application for the organization.

Prospective career of the Graduates

Graduates of this double study program will master both Information Systems and Accounting. Therefore, graduates will be able to develop their career in any company including services, commerce, and manufacturing companies as well as financial institutions. The professions that graduates can get are management accountants, auditors, finance and management consultants, and information systems specialists in the field of corporate information systems, database and e-business, program analysts, systems support consultants, systems designer, database administrators, and IT/IS consultants.

Curriculum

The Accounting and IS double degree is a unique program, where students will learn two different majors in a short period of time. It requires 204 credits consist of information systems courses and Accounting Courses. The curriculum is designed to learn an advanced IT finance and system analysis, as a result, Graduates would be able to construct an information technology budget and portfolio for an enterprise, assess information technology investment performance, as well as able to analyze the Business Process Requirements, Corporate Financial Information Systems and propose an effective financial business process. The successful candidate will get a double degree, which is S.Kom. and S.E.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ACCT6300	Introduction to Accounting*	4/2	20
	COMP6178	Introduction to Programming	2/2	
	ISYS6186	Business Process Fundamental*	4	
	ISYS6093	Information System Concept*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ACCT6312	Accounting for Business*	2	
	ECON6017	Economic Theory	2	
	ISYS6209	User Experience	2/2	
	TAXN6034	Taxation I	4	
	ISYS6212	Accounting Information System Development*	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	ACCT6065	Cost Accounting**	4	
	ACCT6033	Financial Accounting I*&***	4	
	ISYS6123	Introduction to Database Systems*&***	2/2	
	TAXN6035	Taxation II	4	
	ISYS6188	Information Systems Analysis and Design	2/2	
	ENTR6003	Entrepreneurship I	2	
4	MGMT6011	Introduction to Management and Business	4	24
	ACCT7141	Accounting Information System and Internal Control	2/2	
	ACCT7066	Managerial Accounting*&***	4	
	ACCT6034	Financial Accounting II*&***	4	
	ISYS6163	Advanced Information System Analysis and Design***	4/2	
	CHAR6015	Character Building: Agama	2	
5	MGMT6063	Strategic Management	2	24
	ISYS6126	Enterprise System*&***	4	
	ACCT6083	Advanced Accounting	4	
	ISYS6264	Testing and System Implementation	4	
	ISYS6197	Business Application Development	2/2	
	ENTR6004	Entrepreneurship II	2	
	ISYS6050	Information System Audit Fundamental	4	
6	STAT6140	Business Statistics	2	22
	ACCT6062	Financial Audit I	4	
	ISYS6198	Data and Information Management**	4	
	ISYS6265	IT Governance	4	
	ISYS6477	Advanced in Business Application Development***	4/2	
	FINC6020	Business Valuation & Analysis	2	

Sem	Code	Course Name	SCU	Total
7	ACCT6063	Financial Audit II**	4	24
	FINC7007	Corporate Financial Management	4	
	ISYS6211	Web Based Application Development	2/2	
	ISYS6256	Information Systems Project Management**	4	
	ACCT6010	IT Cost Management	4	
	Elective Courses****			
	ISYS6442	Applied ERP: Fundamental	4	
8	ISYS8224	IT Strategic Management	4	24
	ACCT6055	Accounting Theory	2	
	ISYS7229	ERP for Financial and Controlling	4	
	ACCT6059	Management Control System**	2	
	ISYS6278	Advanced in Web Based Application Development	4	
	STAT6021	Research Methodology	2	
	ISYS6037	Manufacturing Information System	4	
	BUSS6131	Ethics & Corporate Governance	2	
9	Enrichment Program		15	15
	10	ACCT6052	Thesis	6
TOTAL CREDITS 204 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

****) Elective Courses: Students choose one course of two elective courses on 7th Semester

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program (9th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
ISYS6269	Professional Attachment Program	8	15
ISYS6195	Applied Topics in Accounting & Information Systems	4	
BUSS6076	Information Systems and Business Ethics	3	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6289	Business Start Up	8	15
ENTR6209	Business Model & Validation for Information Systems Project	2	
ENTR6210	Launching New Ventures for Information Technology Business	2	
ENTR6246	EES in New Business and Information Systems	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6221	Research Experience	8	15
RSCH6158	Scientific Writing in Information Systems Research	4	
RSCH6160	Information Systems for Global Employability and Entrepreneurial Skills	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6121	Community Outreach Project Implementation	8	15
CMDV6076	Community Outreach Project Design in Information Systems	4	
CMDV6078	Employability and Entrepreneurial Skills in Information Systems	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	TAXN6035	Taxation II*	C
4.	ISYS6188	Information Systems Analysis and Design*	C
5.	ACCT7066	Managerial Accounting*	C
6.	ISYS6126	Enterprise System	C
7.	ACCT6034	Financial Accounting II*	C
8.	ISYS6198	Data and Information Management*	C
9.	ISYS6256	Information Systems Project Management	C
10.	ACCT6063	Financial Audit II*	C
11.	FINC7007	Corporate Financial Management	C
12.	ISYS6212	Accounting Information System Development*	C
13.	ACCT6010	IT Cost Management	C
14.	ISYS7229	ERP for Financial and Controlling	C

*) Tutorial & Multipaper

Information Systems & Management

Introduction

The dual study program in Information Systems and Management which combine Information Systems and Management subjects aims to anticipate the knowledge-based economy in the future characterized by the use of IT application. Information Technology in the business world has shifted towards a more outward-looking character and focused on the increased competition in the free market. Information technology and the business world are closely related considering that Information technology and Information Systems share the role of supporting the organizational activities. They do this by increasing the efficiency of the internal processes in a company and by strengthening the competitiveness of the company, as well as by contributing to the problem solving and decision-making by management.

Vision

Enhancing the sustainability of local and global community through research and innovation in e-business.

Mission

The mission of Information Systems and Management Program is to contribute to the global community through the provision of world-class education by:

1. Educating student in the development of ability to analyze, design, implement and manage a business innovatively through Information technology especially in Asia business management and create readiness to lead to work in various fields both nationally and internationally with quality leadership;
2. Providing solid learning experience by collaborating with prestigious industry through creating the most creative and value-added talents of leaders for global community as well as conducting professional services to improve the quality of life;
3. Providing high-impact research to enhance the sustainability growth of local and international community.

Program Objective

The objectives of the program are:

1. To provide students with solid foundation of system development skill and knowledge to apply skills and ability they will need as system analyze;
2. To provide students with fundamental knowledge in Management Science & Business they will need in management practices;
3. To provide students with Management and Business Skills integrated with IT & high Impact Research (information system, business, management, marketing, finance and business organization) providing adequate tools for business analysis in these areas;
4. To prepare students with skills and knowledge in depth information system related with e-business.

Student Outcomes

After completing the study, graduates are:

1. Able to comprehend the discipline of management;
2. Able to integrate management concept and skills with entrepreneurial mindset;
3. Able to exercise ethical and professional values;
4. Able to make use of ICT as management tool and business solution;
5. Able to identify and formulate the root cause of system performance information through data analysis and Information on business processes;
6. Able to identify the needs of the database for building information systems;
7. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations;
8. Able to design, create, manipulate and implement computer based information system for new business model;
9. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;
10. Able to integrate information systems/technology utilization in solving business problems;
11. Able to apply information system in business strategy;
12. Able to implement E-business technology and application;
13. Able to analyze and interpret the current trend in a mobile application.

Prospective Career of the Graduates

Possible professions for graduates include Information System Corporate Planner, Business/Entrepreneur in Technology, and e-Business. Additional professions include Information Systems department manager, Manager of Information Systems development project, Systems design, and IT/IS consultant.

Curriculum

The dual study program for Information Systems and Management developed its curriculum based on the Vision and Mission of Bina Nusantara University. The curriculum has been influenced by the Association for Computing Machinery (ACM), Association for Information Systems (AIS), and the curriculum of foreign universities that have an international reputation in Management study programs and business.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6093	Information System Concept	4	20
	ACCT6133	Introduction to Financial Accounting	4	
	ECON6005	Microeconomics	4	
	MGMT6011	Introduction to Management and Business*	4	
	COMM8006	Business Communication	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ECON6006	Macroeconomics	4	
	ISYS6186	Business Process Fundamental*	4	
	ISYS6181	Management Information Systems for Leader	4	
	COMP6178	Introduction to Programming	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
3	ENGL6131	English for Written Business Communication	2	24
	CHAR6014	Character Building: Kewarganegaraan	2	
	MKTG8005	Marketing Management*	4	
	ENTR6003	Entrepreneurship I	2	
	ISYS6126	Enterprise System*	4	
	ISYS6197	Business Application Development	2/2	
	ISYS6123	Introduction to Database Systems*	2/2	
	ECON8009	Managerial Economics	4	
4	CHAR6015	Character Building: Agama	2	24
	ISYS6198	Data and Information Management	4	
	ISYS6209	User Experience	2/2	
	MGMT6018	Operational Management*	4	
	MATH6048	Business Mathematics*	4	
	ISYS6188	Information Systems Analysis and Design	2/2	
	MGMT6038	Cross Cultural Management*	2	
5	BUSS6043	Introduction to E-Business*	4	24
	ISYS6163	Advanced Information System Analysis and Design**	4/2	
	LAWS6075	Legal Aspect in Economics	2	
	STAT8067	Business Statistics I	2	
	CPEN6048	Computer Networks	2	
	MGMT6012	Human Resources Management*	4	
	ACCT6049	Managerial Accounting	4	
6	FINC6001	Financial Management	4	24
	MOBI6002	Mobile Object Oriented Programming	2/2	
	ENTR6004	Entrepreneurship II	2	
	ISYS6477	Advanced in Business Application Development**	4/2	
	ISYS6264	Testing and System Implementation*	4	
	ISYS6211	Web Based Application Development	2/2	

Sem	Code	Course Name	SCU	Total
7	MOBI6006	Mobile Community Solution	2/2	24
	ISYS6256	Information Systems Project Management*	4	
	ENTR6013	Developing New Business Model & Business Plan*	4/2	
	ISYS8108	Knowledge Management*	4	
	ISYS6478	Research Methods in Information Systems	2	
	STAT8068	Business Statistics II	2/2	
8	BUSS7001	International Business*	4	18
	ISYS6146	Information System Security	2	
	ENTR6012	Innovation & Entrepreneurship*	2	
	BUSS6047	E-Business Strategy*	4/2	
	MGMT7013	Strategic Management*	4	
9	Enrichment Program		15	15
10	MGMT6021	Thesis	6	6
TOTAL CREDITS 200 SCU				

*) This course is delivered in English

**) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program (9th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
BUSS6044	Internship	8	15
BUSS6045	Technopreneurship Application	4	
BUSS6079	Technopreneurship Paper	3	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6281	Business Start Up	8	15
ENTR6212	Business Model & Validation for Information Systems Project	2	
ENTR6213	Launching New Ventures for Information Technology Business	2	
ENTR6214	EES in New Business and Information Systems	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6204	Research Experience	8	15
RSCH6161	Scientific Writing in Information Systems Research	4	
RSCH6162	Information Systems for Global Employability and Entrepreneurial Skills	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6118	Community Outreach Project Implementation	8	15
CMDV6079	Community Outreach Project Design in Information Systems	4	
CMDV6080	Employability and Entrepreneurial Skills in Information Systems	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*)Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

The Table of Prerequisite for Information Systems and Management (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
ACCT6049	Managerial Accounting	4	5	ACCT6133	Introduction to Financial Accounting	4	1
MKTG8005	Marketing Management	4	3	MGMT6011	Introduction to Management and Business	4	1
FINC6001	Financial Management	4	6				

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ISYS6181	Management Information Systems for Leader	C
4.	ECON6005	Microeconomics	C
5.	MKTG8005	Marketing Management	C
6.	MGMT6012	Human Resources Management*	C
7.	BUSS6047	E-Business Strategy	C
8.	ISYS6126	Enterprise System	C
9.	ISYS6198	Data and Information Management*	C
10.	ISYS6188	Information Systems Analysis and Design*	C
11.	BUSS6043	Introduction to E-Business*	C
12.	ISYS6256	Information Systems Project Management	C
13.	ENTR6013	Developing New Business Model & Business Plan	C
14.	ENTR6012	Innovation & Entrepreneurship*	C

*) Tutorial & Multipaper

Business Information Technology

Introduction

In turbulent environment business nowadays, information technology has shifted not only as complementary but as a main strategic tool to play an important role in the business competition. In Business Information Technology Program that is aligned with Information Technology and Business, where the focus of this program lies on Business Analytics and Social Media Listening. By focusing on Business Analytics and Social Media Listening, the organization is projected to play an increasingly important role for helping analyze their performance and business strategies. And the impact of this will facilitate the organization running smoothly and be sustaining its competitiveness. Business Information Technology Program will provide students with expertise in the development of Information Technology for solving the business problems. The graduates of this program can overcome the gap between Information Technology and Business needs that highly demand in turbulent of business environment. Business Information Technology is designed by combining 3 focus areas such as Business Analytics, Social Media, and IT Entrepreneurship.

Vision

To be global Business Information Technology Program with social informatics driven and entrepreneur mindset.

Mission

The mission of Business Information Technology Program is to contribute to the global community through the provision of world-class education by:

1. Leveraging people's potential for success through creative and value-adding talents in Business Information Technology by creating a suitable environment;

2. Educating students with a knowledge, skills and practice in Business Information Technology and prepare them for pursuing advanced degrees in Business, Information Technology, Social Informatics and related disciplines;
3. Providing integrated knowledge to pursue further studies and create outstanding professionals, entrepreneurs, and leaders for a global community;
4. Conducting research and professional services in Business Information Technology with an emphasis on the application of knowledge to society;
5. Improving the quality of life of Indonesians and the international community through leveraging Business Information Technology solutions.

Program Objective

The objectives of the program are:

1. To provide students with fundamental knowledge in system development skills and social informatics knowledge, combined with business and information technology platform to prepare them in and growing them through delivering business information technology that they need in helping business performance;
2. To equip students with skills and in depth knowledge of Business Information Technology related to Business, Information Technology, and Social Informatics that integrated with Business Analytics;
3. To provide students with an in depth advance understanding of the issues regarding Business Information Technology that they applied for specific industry purposes.

Student Outcomes

After completing the study, graduates are:

1. Able to identify and formulate the root cause of system performance information through data analysis and information on business processes;
2. Able to identify the needs of the database for building information systems;
3. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations;
4. Able to design, create, manipulate and implement computer based information system for new business model;
5. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;
6. Able to manage, integrate and add value to the results of data analysis to generate quality information for organization needs.

Prospective Career of the Graduates

Graduates of Business Information Technology Program will have an understanding of the relationship between business analytics, social media, and entrepreneurship. Therefore, graduates will have both IT knowledge and Business skills and able to develop their career in any company not only limited to services, commerce, and manufacturing companies but also Technopreneur. The professions that graduates can get are web analytics consultants, social media consultants, systems developer, systems analyst, business analyst, project manager, database developer, software developer, programming consultant, information manager, applications developer, and information management consultant.

Curriculum

This program is designed by referring to the curriculum recommended by Association for Computing Machinery (ACM) and Association for Information Systems (AIS), National and International model curriculum and guidelines for undergraduate degree program in Information systems, and A Cooperative Project of ACM, AIS, IEEE-CS. It is also focusing on Business, Information Technology, and Social Informatics, as a result, Graduates would be able to construct Business Analytics and Social Media Listening for any organizations to help their performance and business strategy. In addition, the curriculum has been influenced by foreign universities with a reputation for quality Business Information Technology Programs.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ACCT6133	Introduction to Financial Accounting	4	20
	ISYS6186	Business Process Fundamental*	4	
	ISYS6093	Information System Concept*	4	
	STAT6140	Business Statistics	2	
	COMP6178	Introduction to Programming	2/2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ISYS6123	Introduction to Database Systems*	2/2	
	ISYS6188	Information Systems Analysis and Design	2/2	
	ISYS6189	Management Information Systems*	4	
	ISYS6197	Business Application Development	2/2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	ISYS6126	Enterprise System*	4	
	ENTR6003	Entrepreneurship I	2	
	ISYS6209	User Experience	2/2	
	MGMT6238	Service Management Fundamental	4	
	ISYS6016	Social Media Fundamental	2	
	ISYS6198	Data and Information Management	4	
4	CHAR6015	Character Building: Agama	2	24
	ISYS6163	Advanced Information System Analysis and Design**	4/2	
	ISYS6264	Testing and System Implementation*	4	
	ISYS6283	Business Intelligence	4	
	ISYS6202	Social Informatics*	4	
	ISYS6203	Mobile Application Development	2/2	

Sem	Code	Course Name	SCU	Total
5	ISYS6478	Research Methods in Information Systems	2	22
	MGMT6029	Knowledge Management	2	
	ENTR6004	Entrepreneurship II	2	
	ISYS6477	Advanced in Business Application Development**	4/2	
	ISYS6402	Business Analytics*	2/2	
	BUSS6088	Current Issue in Business and Technology	2	
	ISYS6256	Information Systems Project Management*	4	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	ISYS6117	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1			v						v			
2				v			v					
3					v		v					
4		v						v				
5		v					v					
6	v						v					
7	v							v				
8	v									v		
9	v										v	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ISYS6215	Experience in Industry	8	
COMM6225	Business Communication	3	
ISYS6192	Requirement and Solution for Information Systems	4	
Enrichment Program II			16
ISYS6347	Professional Program in Industry	8	
BUSS6057	Business Ethic	4	
ISYS6193	Design and Evaluation for Information Systems	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6325	Business Start Up	8	
ENTR6048	Business Model & Validation for Information Systems Project	2	
ENTR6049	Launching New Ventures for Information Technology Business	2	
ENTR6376	EES in New Information Systems Business	3	
Enrichment Program II			16
ENTR6353	Growing a Business	8	
ENTR6065	Lean Start Up & Business Plan for Information Technology Business	2	
ENTR6066	Venture Capital for Information Technology Business	2	
ENTR6364	EES in Information Systems Business Experience	4	

Enrichment Research

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6275	Research Experience	8	
RSCH6110	Scientific Writing in Information Systems Research	4	
RSCH6295	EES in Information Systems Research	3	
Enrichment Program II			16
RSCH6412	Information Systems Research Experience	8	
RSCH6413	Scientific Writing in Information Systems	4	
RSCH6414	Global Employability and Entrepreneurial Skills in Information Systems Research	4	

Enrichment Community Development

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6156	Community Outreach Project Implementation	8	
CMDV6035	Community Outreach Project Design in Information Systems	4	
CMDV6200	Employability and Entrepreneurial Skills in Information Systems Community	3	
Enrichment Program II			16
CMDV6156	Community Outreach Project Implementation	8	
CMDV6035	Community Outreach Project Design in Information Systems	4	
CMDV6175	Employability and Entrepreneurial Skills in Information Systems Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	

Code	Course Name	SCU	Total
GLOB6012	Elective Course for Study Abroad 8	2	16
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ISYS6188	Information Systems Analysis and Design*	C
4.	ISYS6126	Enterprise System	C
5.	ISYS6198	Data and Information Management*	C
6.	ISYS6256	Information Systems Project Management	C
7.	ISYS6202	Social Informatics	C
8.	ISYS6402	Business Analytics*	C

*) Tutorial & Multipaper

2.2.3 School of Design

Today's trend is going toward a creative industry that needs creative people who are not only keeping up with the current information and technology but also a concern with local values, cultures, and social issues.

To fulfill the creative industry's needs, BINUS UNIVERSITY School of Design offers undergraduate study programs (S1) for whoever interested in design knowledge, both theoretical and practical. The study programs are **Film**, **Interior Design**, and **Visual Communication Design** (with concentration field; New Media, Animation, and Creative Advertising).

Graduates are prepared to be able to work professionally as well as entrepreneurs in global creative industries.

Visual Communication Design - New Media

Introduction

Students are provided with unique capabilities of information technology that can support the scientific development of Visual Communication Design into Print Media, Digital Design, and Interactive Media. Students can apply their knowledge in many case studies such as branding, information design, design for public, photography, illustration, typography and web design into print and dynamic interactive media.

Vision

A world-class Visual Communication Design Department, delivering world class designers with distinctive local values and information technology capabilities.

Mission

The mission of Visual Communication Design Department is to contribute to the global community through the provision of world-class education by:

1. Educating visual communicators who highly exemplify the creative spirit and a commitment to professional attitudes in the fields of new media, animation and creative advertising;
2. Preparing students for strategic positions in service industries with a strong sense of ethics and entrepreneurship and who can make a contribution to society;
3. Improving the quality of life of Indonesians and the international community through good design;
4. Recognizing and rewarding the most creative and value-adding talents;
5. Designing creative products and conducting professional services in visual communication design with an emphasis on application of knowledge to the society.

Program Objective

The objectives of the program are:

1. To provide students with the principal know-how of creative visual communication, its historical and cultural significance, and its core technology. Together these areas of study will establish in each student a solid ground for well-informed practice or further study;
2. To educate graduates who are capable of producing new media portfolios that vividly demonstrates workmanship, creativity, conceptual insights, and attitudes of a professional design standard.

Student Outcomes

After completing the study, graduates are:

1. Able to create visual and printed visual communication design work that has added value and aesthetics, to overcome identity problems, mass communication, and competition problems by stakeholders;
2. Able to conduct research and idea exploration to set the objectives, communication target, and DKV prototype solutions that can overcome identity problems, mass communication, and considering the ethical, history, cultural, social consequence and regulatory aspects;
3. Able to analyze level of material utilization efficiency and time in the production process of each selected alternative solution prototype of DKV, without changing the essence and aesthetic design;
4. Able to communicate DKV prototype alternative solutions independently or groups in verbal form, graphical, written, and communicative models with analog or digital techniques by selected appropriate communication rules;
5. Able to design DKV works by promoting cultural values and local indigenous as the children's nation identity;
6. Able to plan a business model by applying visual communication design expertise;
7. Able to utilize Information and Communication Technology project's need so that can improve organizational performance;
8. Able to analyze visual communication problems and producing new media design solutions.

Prospective Career of the Graduates

1. Brand Designer
2. Game Design Visualisation
3. Publication Design
4. Web Design and Development
5. Illustrator
6. Graphic Design Studio
7. Photographer
8. Television and Broadcast Studio
9. Corporate & Retail Industry
10. Government Institutions
11. In-house Designer

Curriculum

New Media Program of Visual Communication Design – School of Design implements internship since 2003, now with the 3+1 Enrichment Program Binus University New Media has more to offer to the students. The Enrichment Program will be on 6th and 7th semester with 5 different tracks; internship for industry experience, community development in social issues, entrepreneurship to build start-up business, research and study abroad to enrich cultural experience. After completing the 3+1 Enrichment Program, students gain experience in hardskill and improve greatly in their softskill. Students have on-the field experience implementing the knowledge they acquired from classroom.

Students start the study in the early stages trained as a visual hardskill and visual language vocabulary. The study program will continue with using the hardskill and visual language in different cases in print and digital media design. In the end of the study, the students will create a holistic visual communication design project with design-based solution for real issues in society.

New Media Program strive for the student to have global mindset, open-minded in collaboration, technological familiarity and holding strongly in Indonesia local values as Indonesia unique competitive advantage in nowadays connected network society.

Course Structure

Course Structure				
Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	DSGN6165	Western Art Review*	2	
	DSGN6098	Color Theory	4	
	DSGN6101	Design and Materials	4	
	DSGN6166	Eastern Art Review*&***	3	
	DSGN6099	Drawing I	3	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	

Sem	Code	Course Name	SCU	Total
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	DSGN6104	Typography I	3	
	DSGN6100	Drawing II	3	
	DSGN7324	Computer Graphic I**	3	
	DSGN7107	Visual Communication Design I	4	
	DSGN7132	Photography I**	3	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	21
	DSGN6287	Visual Communication Design Reviews	2	
	DSGN7133	Photography II	3	
	DSGN7085	Typography II**	3	
	ENTR6003	Entrepreneurship I	2	
	DSGN6265	Visual Communication Design II	6	
	DSGN7325	Computer Graphic II	3	
4	ARTS6015	Aesthetics	2	24
	MDIA7012	New Media I*	6	
	DSGN7326	Illustration Design	3	
	DSGN7267	Graphic Reproduction Methods I**&***	3	
	DSGN8106	Typography III**	4	
	DSGN7288	Surface Packaging Design**	6	
5	DSGN6263	Design Methods	3	23
	ENTR6004	Entrepreneurship II	2	
	DSGN7269	Graphic Reproduction Methods II***	3	
	MDIA7013	New Media II*&***	6	
	DSGN7126	Guest Lecturer	3	
	DSGN7289	Visual Communication Design III**	6	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	DSGN6591	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation

-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	V						V					
2		V					V					
3			V				V					
4				V			V					
5					V		V					

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purpose

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
DSGN6274	Project on Industry	8	
DSGN6332	Creative Process in Graphic Design	4	
DSGN6485	EES in Graphic Design Process	3	
Enrichment Program II			16
DSGN6553	Project on Creative Industry	8	
DSGN6486	Creative Process in Creative Industry Experience	4	
DSGN6487	EES in Creative Industry Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6324	Business Start Up	8	
ENTR6336	Business Model & Validation for Design and Creative Business	2	
ENTR6337	Launching New Creative Business Venture	2	
ENTR6375	EES in New Visual Communication Design Business	3	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6274	Research Experience	8	
RSCH6250	Scientific Writing in Visual Communication Design Research	4	
RSCH6294	Global EES in Visual Communication Design Research	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6155	Community Outreach Project Implementation	8	
CMDV6171	Visual Communication Project Design in Community Outreach	4	
CMDV6199	Employability and Entrepreneurial Skills in Design Community	3	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

The Table of Prerequisite for New Media Program

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
DSGN6591	Thesis	6	8	DSGN7107	Visual Communication Design I	4	2
				DSGN6265	Visual Communication Design II	6	3
				DSGN7289	Visual Communication Design III	6	5
				DSGN7288	Surface Packaging Design	6	4

Students should pass Visual Communication Design I, II, III, and Surface Packaging Design with minimum grade C.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	DSGN6101	Design and Materials*	C
4.	DSGN6099	Drawing I	C
5.	DSGN7107	Visual Communication Design I*	C
6.	DSGN6263	Design Methods	C
7.	MDIA7013	New Media II*	C
8.	DSGN7289	Visual Communication Design III	C

*) Tutorial & Multipaper

Visual Communication Design - Animation**Introduction**

In this specialization, students are equipped with the knowledge and skills to solve the problem relating to creativity, aesthetics visual arts, technology and business model to support the 3D computer graphic industry. Students are equipped with the knowledge and skills of up-to-date development of 3D animation computer graphic technology to answer the requirement of the creative industry both national and international.

Vision

A world-class Visual Communication Design Department, delivering world class designers with distinctive local values and information technology capabilities.

Mission

The mission of Visual Communication Design Department is to contribute to the global community through the provision of world-class education by:

1. Educating visual communicators who highly exemplify the creative spirit and a commitment to professional attitudes in the fields of new media, animation and creative advertising;
2. Preparing students for strategic positions in service industries with a strong sense of ethics and entrepreneurship and who can make a contribution to society;
3. Improving the quality of life of Indonesians and the international community through good design;
4. Recognizing and rewarding the most creative and value-adding talents;

5. Designing creative products and conducting professional services in visual communication design with an emphasis on application of knowledge to the society.

Program Objective

The objectives of the program are:

1. To provide students with the principal know-how of creative visual communication, its historical and cultural significance, and its core technology. Together these areas of study will establish in each student a solid ground for well-informed practice or further study;
2. To produce graduates who are capable of producing animation portfolios that vividly demonstrate workmanship, creativity, conceptual insights, and attitudes of a professional design standard.

Student Outcomes

After completing the study, graduates are:

1. Able to create printed and digital visual communication design work that has added value and aesthetics, to overcome identity problems, mass communication, and competition problems by stakeholders;
2. Able to conduct research and idea exploration to set the objectives, communication target, and DKV prototype solutions that can overcome identity problems, mass communication, and considering the ethical, history, cultural, social consequences and regulations;
3. Able to analysis level of material utilization efficiency and time in the production process of each selected alternative solution prototype of DKV, without changing the essence and aesthetic design;
4. Able to communicate DKV prototype alternative solutions independently or groups in verbal form, graphical, written, and communicative models with analog or digital techniques by selected appropriate communication rules;
5. Able to design animation product with sale value and recognition of copyright (intellectual property) by applied principle design and technology in a design process;
6. Able to design business models based copyright (intellectual property) in applied design and animation production.

Prospective Career of the Graduates

1. Broadcast Television
2. Film Production
3. Games Industries
4. Animation Studio
5. Production House
6. 3D Motion Artist (Animator/Motion Graphic)
7. 3D Visualizer Artist (Modeller/Layout/Shading, Lighting & Rendering)
8. Visual FX Artist (Compositor/Rotoscoping/Particle)
9. Storyboard artist
10. Character Design Artist
11. Animation Producer

Curriculum

Curriculum of Animation Program was designed based on 4 foundations:

1. Fundamental of Art: the foundation that equipped students with basic fundamental of art, encompassed concept of shape, colour, and composition, that was delivered systematically.
2. Production Experiences: on this phase, student will be equipped with competency on animation production.
3. Development in Animation: the designed curriculum will give opportunity and facilitate students to develop their own identity on their creation.
4. Industrial Experiences: on this phase, student will be exposed with real work experience in creative industry.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	DSGN6165	Western Art Review	2	
	DSGN6121	Color Theory	4	
	DSGN6122	Design and Materials	4	
	DSGN6166	Eastern Art Review	3	
	DSGN7138	Drawing I	3	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	DSGN6331	Typography	3	
	DSGN7139	Drawing II*	3	
	DSGN6328	Computer Graphic I*&***	3	
	DSGN6140	Visual Communication Design I	4	
	DSGN6136	Photography I*	3	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	ENTR6003	Entrepreneurship I	2	
	FILM6035	Visual Workshop	3	
	DSGN6137	Photography II*	3	
	DSGN7115	Visual Communication Design II**	6	
	DSGN6329	Computer Graphic II*&***	3	
	DSGN6234	Visual Communication Design Reviews*	2	
	DSGN6330	Illustration Design	3	
4	MDIA6020	Digital Compositing I*&***	4	23
	DSGN6150	Modelling & Shading Lighting Rendering I*&***	4	
	FILM7037	Screenplay of Animation**	3	
	DSGN6283	Animation Production Study**	6	
	DSGN6237	Character Design**&***	4	
	ARTS6015	Aesthetics	2	

Sem	Code	Course Name	SCU	Total
5	ENTR6004	Entrepreneurship II	2	21
	DSGN6180	Design Methods	3	
	DSGN6151	Modelling & Shading Lighting Rendering II**&***	4	
	MDIA6022	Digital Compositing II**&***	3	
	FILM6039	Cinematography for Animation***	3	
	DSGN7284	Visual Communication Design III**&****	6	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	DSGN6593	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
DSGN6479	Production and Post Production in Industry	8	
DSGN6272	Production and Post Production Experience in Visual Communication Design Industry	4	
DSGN6276	EES in Production and Post Production Experience	3	
Enrichment Program II			16
DSGN6345	Pre Production and Production in Industry	8	
DSGN6346	Pre Production and Production Experience in Visual Communication Design Industry	4	
DSGN6347	EES in Pre Production and Production Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program II			16
ENTR6322	Business Start Up	8	
ENTR6143	Business Model & Validation for Design and Creative Business	2	
ENTR6144	Launching New Creative Business Venture	2	
ENTR6340	EES in New Visual Communication Design Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program II			16
RSCH6273	Research Experience	8	
RSCH6109	Scientific Writing in Visual Communication Design Research	4	
RSCH6283	Global EES in Visual Communication Design Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program II			16
CMDV6153	Community Outreach Project Implementation	8	
CMDV6038	Visual Communication Project Design in Community Outreach	4	
CMDV6172	Employability and Entrepreneurial Skills in Design Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			16
Enrichment Program II			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits

The Table of Prerequisite for Animation Program

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
DSGN6593	Thesis	6	8	DSGN6140	Visual Communication Design I	4	2
				DSGN7115	Visual Communication Design II	6	3
				DSGN7284	Visual Communication Design III	6	5
				DSGN6283	Animation Production Study	6	4

Students should pass Visual Communication Design I, II, III, and Animation Production Study with minimum grade C.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	DSGN6122	Design and Materials*	C
4.	DSGN7138	Drawing I	C
5.	DSGN6140	Visual Communication Design I*	C
6.	DSGN6180	Design Methods	C
7.	DSGN6237	Character Design*	C
8.	DSGN7284	Visual Communication Design III	C

*) Tutorial & Multipaper

Visual Communication Design - Creative Advertising

Introduction

Creative Advertising S1 program aims to provide good creative education for future creative people in the advertising industry, allowing them to work together in creative teams to produce the best contemporary visual design for advertising.

In this program, future students will learn how visual communication design artworks are created, and also about the formulation of creative ideas needed in commercials that are based on design theories and have historical perspectives.

We will help students strengthen their design ability and idea creation by also providing classes in marketing introduction, consumer psychology, copywriting, and media. That way, students will have a good understanding of a complete and thorough commercial campaign.

Vision

A world-class Visual Communication Design department, delivering world challenge ready designers with distinctive feature in local values and maximizing information technology.

Mission

The mission of Visual Communication Design Department is to contribute to the global community through the provision of world-class education by:

1. Educating visual communicators in the fields of new media, animation and creative advertising who highly exemplify creative spirit and commitment to professional attitudes;
2. Preparing students for strategic positions in service industries with strong sense of ethics and entrepreneurship as a contribution to the society at large;
3. Improving the quality of life of Indonesians and the international community through a good design;
4. Recognizing and rewarding the most creative and value-adding talents;
5. Conducting professional services and designing creative product in visual communication design fields with an emphasis on application of knowledge to the society.

Program Objective

The objectives of the program are:

1. To provide students with principal know-how of creative visual communication, its historical and cultural significance, and its core technology. Together they should form in each student a solid ground for well-informed practice or further study;
2. To educate graduates who are capable of producing Creative Advertising portfolios that vividly demonstrate workmanships, creativity, conceptual insights, and attitudes of a professional design standard.

Student Outcomes

After completing the study, graduates are:

1. Able to create printed and digital visual communication design work that has added value and aesthetics, to overcome identity problems, mass communication, and competition problems by stakeholders;
2. Able to conduct research and idea exploration to set the objectives, communication target, and DKV prototype solutions that can overcome identity problems, mass communication, and considering the ethical, history, and cultural, social consequences and regulations;
3. Able to analyze level of material utilization efficiency and time in the production process of each selected alternative solution prototype of DKV, without changing the essence and aesthetic design;
4. Able to communicate DKV prototype alternative solutions independently or groups in verbal form, graphical, written, and communicative models with analog or digital techniques by selected appropriate communication rules;
5. Able to design communicative works that set forth cultural values and local indigeneity as his/her national identity;
6. Able to plan a business model to be implemented within visual communication design expertise;
7. Able to utilize information technology and communication in supporting project's need and organizational performance;
8. Able to analyze problems and propose solutions ideas through visual communication design with the appropriate media selection.

Prospective Career of the Graduates

After graduating from this program, there are so many promising career paths in the creative industry that are ready to be occupied. Most graduates are now working in advertising agencies, e-commerce business, design studios, photography studios, illustration studios, production houses, event organizers, media industries, and in-house design at companies. Some of them were even able to commence their own start-up creative business.

Future career paths:

1. Art Director
2. Graphic Designer
3. Commercial Photographer
4. Digital Imaging Artist
5. Illustrator
6. Videographer
7. Creative Entrepreneurs

Curriculum

There are five main categories in Creative Advertising program:

1. Fundamental Design (Semester 1-2)

Students explore the theories and design practice in terms of: design elements & principles, layout, semiotics, visual language, aesthetics, design value, the matters of size, composition, design materials, colors, as well as character building.

2. Design Execution and Computing (Semester 3-4)

Students explore the theories and design practice in terms of: computer graphic, printing techniques, Digital Imaging, illustration, photography, videography, website, and motion image.

3. Ideation, Art Direction & Design Integrated (Semester 4-5)

In this term, student's ability in problem solving is required. To what extent students gather several data, bring them into the idea development methods, and last but not least, present the idea into several media integrally. It will be supported by some courses, such as marketing and consumer behavior, ideation and art direction, advertising media, and entrepreneurship.

4. Enrichment Program (Semester 6-7)

Enrichment program of Creative Advertising aims to gain student's soft skills regarding teamwork, leadership, and professional attitudes, as well as their hard skills in implementing the knowledge they acquired from classroom. In the 6th semester, students will have a four months internship experience in the advertising industry or other creative industries. Meanwhile, in the 7th semester, students will have more opportunities (five different tracks), including: internship for industry experience, community development in social issues, entrepreneurship to build start-up business, research, and study abroad to enrich cultural experience.

5. Final Project (Semester 8)

In the last semester, students are required to solve a problem through an integrated campaign. Both design concept and strategy will be put in the academic paper. In addition, students need to implement their ideas into a complete creative display. It aims to evaluate student's abilities in data analysis, idea development, problem solving, and design execution.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	DSGN6101	Design and Materials	4	
	DSGN6098	Color Theory	4	
	DSGN6165	Western Art Review	2	
	DSGN6166	Eastern Art Review	3	
	DSGN6099	Drawing I	3	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	DSGN6104	Typography I	3	
	DSGN6100	Drawing II	3	
	DSGN6238	Computer Graphic I	3	
	DSGN6191	Photography I**	3	
	DSGN7107	Visual Communication Design I	4	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	

Sem	Code	Course Name	SCU	Total
3	CHAR6015	Character Building: Agama	2	22
	ENTR6003	Entrepreneurship I	2	
	DSGN6157	Typography II	3	
	DSGN6134	Photography II**	3	
	DSGN6327	Illustration Design	3	
	DSGN6239	Computer Graphic II*	3	
	DSGN6141	Visual Communication Design II	6	
4	ARTS6015	Aesthetics	2	23
	DSGN7241	Graphic Reproduction Methods***	3	
	MDIA6018	Audio Visual**	4	
	DSGN6242	Copy Writing**	3	
	MKTG6064	Marketing and Consumer Behavior*&***	3	
	MDIA6019	Advertising Media*&***	2	
	DSGN6285	Ideation and Art Direction**	6	
5	DSGN6162	Visual Communication Design Reviews	2	23
	DSGN6243	Digital Advertising*&***	3	
	ENTR6004	Entrepreneurship II	2	
	MDIA7017	New Media*	4	
	DSGN6164	Design Methods	3	
	DSGN7286	Visual Communication Design III**	6	
	DSGN6244	Guest Lecturer	3	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	DSGN6592	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v								v			
3	v									v		
4	v										v	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
DSGN6488	Internship in Visual Communication Design Industry	8	
DSGN6489	Technical Experience in Visual Communication Design Industry	4	
DSGN6490	EES in Visual Communication Design Industry	3	
Enrichment Program II			16
DSGN6491	Internship in Creative Industry	8	
DSGN6492	Technical Experience in Creative Industry	4	
DSGN6493	EES in Creative Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program II			16
ENTR6323	Business Start Up	8	
ENTR6406	Business Model & Validation for Design and Creative Business	2	
ENTR6407	Launching New Creative Business Venture	2	
ENTR6341	EES in New Visual Communication Design Business	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program II			16
CMDV6154	Community Outreach Project Implementation	8	
CMDV6176	Visual Communication Project Design in Community Outreach	4	
CMDV6173	Employability and Entrepreneurial Skills in Design Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			16
Enrichment Program II			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

The Table of Prerequisite for Creative Advertising Program

The Table of Prerequisites for Creative Advertising Program							
Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
DSGN6592	Thesis	6	8	DSGN7107	Visual Communication Design I	4	2
				DSGN6141	Visual Communication Design II	6	3
				DSGN7286	Visual Communication Design III	6	5
				DSGN6285	Ideation and Art Direction	6	4

Students should pass Visual Communication Design I, II, III, and Ideation and Art Direction with minimum grade C.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	DSGN6101	Design and Materials*	C
4.	DSGN6099	Drawing I	C
5.	DSGN7107	Visual Communication Design I*	C
6.	DSGN6164	Design Methods	C
7.	DSGN6285	Ideation and Art Direction*	C
8.	DSGN7286	Visual Communication Design III	C

*) Tutorial & Multipaper

Interior Design

Introduction

Coming to the year 2016, it is the period for ASEAN Economic Community (AEC) with aims to integrate South-east Asia's diverse economies into a single market and global economy. Indonesia has a strategic position and great opportunity with its biggest population among the ASEAN country. The government defines that creative industries are developed by individual creativity skill and talents with potential for wealth and job creation through the generation. One advantage of an integrated economic community is that movement of goods, services, investments and professionals will be much easier. These movements will have a great influence in property sector as well. In order to fulfill their need and lifestyle people have started to realize the sensitivity of design business and tendency to use the current trend. Therefore, the opportunity of business in the Interior Design sector has become widely open. This opportunity has increased the needs of a professional human resource.

Since 2008, BINUS UNIVERSITY has opened Interior Design Department in School of Design. We have prepared our graduates to succeed in an interior industry as well as prepared them to join the global community. Our vision is to become a world class interior design department, delivering international standard designers with strength in local indigenous and latest technology.

Interior Design's graduates of BINUS UNIVERSITY will become professional in a global environment. They will be prepared professionally and scientifically. Therefore, by finishing their Bachelor program, they can step into practical works directly. Graduates will have the ability to design hospitality and commercial design or furniture and interior design accessories. These graduates will not only have scientific and practical abilities in Interior Design sector, but also, they will have spirit and entrepreneurship skill in the future.

Vision

A world class Interior Design Department, delivering international standard designers with strengths in local values, IT and green design.

Mission

The mission of Interior Design Department is to contribute to the global community through the provision of world-class education by:

1. Educating students in the fundamental skills of designing, with a focus on the latest technology, eco design and local content by providing excellent study facilities and internships that prepare students for global service industries or for continuing to an advance degree in interior design or related disciplines;
2. Preparing students who have a strong sense of ethics and local values, an entrepreneurial spirit, and are ready to take on strategic positions in service industries and make a contribution to society;
3. Recognizing and rewarding the most creative and value-adding talents;
4. Improving the quality of life of Indonesians and the International community;
5. Designing creative products and conducting professional services in interior design fields with an emphasis on the application of knowledge to society.

Program Objective

The objectives of the program are:

1. To provide students with innovative and creative design abilities, especially in eco design and local content, by using the latest technology and approaches;
2. To provide students with design abilities and knowledge, ranging from fundamental principles to applied skills and abilities;
3. To prepare students with necessary skills and knowledge of interior design that enables them to become an entrepreneur or a professional in a global environment.

Student Outcomes

After completing the study, graduates are:

1. Able to arrange interior concept based on human behavior, technical aspect, and values that related to interior design;
2. Able to design an interior concept independently in manual or using design tools based on information technology and computing to fulfill user community needs for residential to public space project based on design theory, user need study, and interior design problems;
3. Able to design thematic interior element (furniture, wall, ceiling and floor) based on technical characteristic and material aesthetic;
4. Able to produce interior design planning as a proposed problem solving and fulfill community needs that accountable and qualified in function, aesthetic, construction, and meaningful;
5. Able to communicate ideas in visual language that communicative and informative;
6. Able to design an interior and its elements that prioritize local indigenous, green design and sustainability;
7. Able to produce interior design work that has good selling value as a professional or entrepreneur (designpreneur);
8. Able to build independent business in interior design;
9. Able to design an interior, with utilizing information technology and recent communication;
10. Able to develop interior design project based on local indigenous;
11. Able to analyze human needs to develop eco-interior design project;
12. Able to produce furniture and home accessories based on local indigenous;
13. Able to analyze human ergonomic in producing eco-furniture & home accessories product.

Prospective Career of the Graduates

Graduates will be prepared not only as a professional interior designer, but also be able to create and open new work opportunity for other professions which are related; because of their ability to be an entrepreneur. This availability of work opportunity such as:

Commercial and Hospitality Design

- Interior design consultant
- Interior design contractor
- Real estate/property contractor
- Project Management
- Project Marketing
- Procurement
- Purchasing
- Merchandising
- Setting designer
- Commercial retailer
- Exhibition organizer
- Visual merchandise/window display designer
- Stylist for interior magazine
- Book writer
- Lighting designer

Furniture and Interior Design Accessories

- Interior design consultant
- Interior design contractor
- Furniture designer
- Manufacturer of Interior accessories
- Furniture & home accessories shop/gallery owner
- Retailer
- Stylist for magazine/production house
- Interior Decorator/Home decorator
- Home accessories designer
- Book writer
- Trader
- Supplier (furniture/accessories interior)
- Workshop owner
- Product Development
- Retail Manager
- Buyer Merchandizing

Curriculum

Interior design Department - School of Design has 3+1 curriculum. On their 6th to 7th semester, there are five enrichment programs that can be chosen by students based on their passion and knowledge. These programs are internship in industry, research in interior and furniture, community development, start-up business and study abroad. With these experience, students will gain more knowledge regarding their contribution to industry and community.

The curriculum also accommodates the main objective of the program opening i.e. going to create a qualified interior designer. Graduates will have an entrepreneur spirit, ready to work, have a good character and have competency in ICT skills as well.

Currently, the Interior Design program provides 2 concentrations that the students can choose from according to their goals and interests:

Commercial & Hospitality Design:

This stream provides students with an ability to design commercial & hospitality space, such as: design of apartments and houses, shops, restaurants, offices, hotels, hospitals, schools, etc.

Furniture and Interior Design Accessories:

This stream provides students with an ability to design furniture and accessories for both residential and commercial such as hotels, offices, restaurants, by observing the terms of ergonomics, functionality & aesthetic.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	ARTS6004	History of Western Art	2	
	DSGN6186	Sense of Design	4	
	DSGN6193	Interior Drawing*	4	
	ARTS6001	Art Principles*	2	
	ARCH6083	Interior Technical Drawing	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	ARTS6005	History of Eastern Art*	2	
	CIVL6067	Material Knowledge I**	2	
	DSGN6194	Interior Design I: Residential*	4	
	DSGN6195	Furniture Design I: Residential*	4	
	CIVL6068	Drafting and Detail Construction	4	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	22
	DSGN6196	Interior Design II: Retail*	4	
	DSGN6197	Furniture Design II: Retail*	4	
	DSGN6198	Computer 2D Drawing*	4	
	CIVL6069	Material Knowledge II**	2	
	ENTR6003	Entrepreneurship I	2	
	DSGN6261	Presentation Techniques*&***	4	
4	DSGN6201	Ergonomic and Anthropometry**	2	22
	DSGN6365	Portfolio Presentation***&****	4	
	ARTS6006	History of Indonesian Art*	2	
	DSGN6042	Green Design**	2	
	Stream : Commercial and Hospitality Design			
	DSGN6199	Interior Design III: Office*	6	
	DSGN6200	Computer 3D Drawing for Interior*	4	
	DSGN6203	Lighting Design for Commercial & Hospitality	2	
	Stream : Furniture and Interior Design Accessories			
	DSGN6217	Furniture Design III: Office*	6	
	DSGN6218	Computer 3D Drawing for Furniture*	4	
	DSGN6219	Finishing and Furniture Knowledge I**	2	
5	DSGN6207	Interior Design History, Culture and Aesthetic*	2	22
	DSGN6037	Interior Design Methodology	2	
	ENTR6004	Entrepreneurship II	2	

Sem	Code	Course Name	SCU	Total
5	Stream : Commercial and Hospitality Design			22
	DSGN6204	Interior Design IV: Commercial and Hospitality Project	6	
	DSGN6205	Computer 3D Interior Rendering*&***	4	
	DSGN6206	Visual Merchandising*	2	
	CIVL6070	Building Component Theory and Regulation	2	
	DSGN6208	Interior Forecasting	2	
	Stream : Furniture and Interior Design Accessories			
	DSGN6220	Furniture Design IV: Commercial and Hospitality Project	6	
	DSGN6221	Computer 3D Furniture Rendering*&***	4	
	DSGN6222	Photography*	2	
	DSGN6224	Furniture Forecasting	2	
	DSGN6225	Finishing and Furniture Knowledge II**	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	DSGN6594	Thesis	8	8
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

***) Entrepreneurship Embedded

**) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	
6		v					v					
7			v				v					
8				v			v					
9					v		v					

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
DSGN6209	Industrial Experience	8	
DSGN6210	Design Ideation in Industry	2	
DSGN6211	Design Profession in Industry	2	
DSGN6380	Self Management in Industry	3	
Enrichment Program II			16
DSGN6213	Professional Experience	8	
DSGN6214	Design Applied in Industry	2	
DSGN6215	Design Process in Industry	2	
DSGN6216	Team Work Activity in Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6321	Business Start Up	8	
ENTR6163	Business Model & Validation in Design Field	2	
ENTR6164	Launching New Venture in Design Field	2	
ENTR6374	EES in New Interior Design Business	3	
Enrichment Program II			16
ENTR6321	Business Start Up	8	
ENTR6163	Business Model & Validation in Design Field	2	
ENTR6164	Launching New Venture in Design Field	2	
ENTR6348	EES in New Interior Design Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6272	Research Experience	8	
RSCH6113	Scientific Writing in Design	4	
RSCH6293	Global EES	3	
Enrichment Program II			16
RSCH6272	Research Experience	8	
RSCH6113	Scientific Writing in Design	4	
RSCH6282	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6152	Community Outreach Project Implementation	8	
CMDV6164	Community Outreach Project Design	4	
CMDV6198	Employability and Entrepreneurial Skills in Design Community	3	
Enrichment Program II			16
CMDV6152	Community Outreach Project Implementation	8	
CMDV6164	Community Outreach Project Design	4	
CMDV6119	Employability and Entrepreneurial Skills in Design Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

Code	Course Name	SCU	Total
GLOB6041	Elective Course for Study Abroad 25	3	15
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	DSGN6186	Sense of Design*	C
4.	ARCH6083	Interior Technical Drawing	C
5.	DSGN6196	Interior Design II: Retail	C
6.	DSGN6037	Interior Design Methodology*	C
Stream : Commercial and Hospitality Design			
7.	DSGN6199	Interior Design III: Office*	C
8.	DSGN6208	Interior Forecasting	C
Stream : Furniture and Interior Design Accessories			
7.	DSGN6217	Furniture Design III: Office*	C
8.	DSGN6224	Furniture Forecasting	C

*) Tutorial & Multipaper

Film

Introduction

Offering two streams, film production and film studies, the Bachelor of Film Study Program at BINUS UNIVERSITY delivers an integrated curriculum where understanding of aesthetics, social and cultural knowledge, as well as business and technical skills go hand in hand. We believe that film-makers should create films not only with economic and business considerations but also to engage in constant dialogues with audience. We also hold that cinema, as a part of mainstream visual culture, has been an indispensable subject of humanities with new terrains of knowledge waiting to be explored.

In this four-year study program, students will learn how to integrate technical film-making skills with theoretical and practical knowledge to meet industry standards. Students will also learn how to analyze and write about cinema according to scholarly rigor and requirements set by film publications. The first year is dedicated to the fundamental technical film-making skills courses. In the following three years, classroom-based course, seminar, fieldtrip and film screening are provided to enhance students' basic aesthetic, social and cultural knowledge, teamwork and communication skills, and film business knowledge. In the second year, the whole learning process emphasizes observation, fieldwork, and workshop in order to enhance contextual thinking, theory and practice, and understanding of film production. During the second year, students will also choose one of the two study streaming offered by Film Study Program; film production and film studies. The third and final years are dedicated to advance learning of methodology through workshop, clinic, and simulation. During this time, students will also be given the opportunity to immerse real world experience through internship, community development, and research that will support their Thesis, in which students will have to conduct a research to support their thesis film or film analysis.

Vision

Film Study Program strives to become a prominent film and media study program in Southeast Asia, that produces filmmakers and media practitioners who possess proficiency in communicating with the audiences, high aesthetic standard, and knowledge about the media industry.

Mission

The Film Study Program at Bina Nusantara University has the following mission:

Film Study Program exists To generate world class filmmakers with knowledge, skills, and attitudes required to be able to create films that emphasize the strength of visual storytelling with high aesthetic standard, that promote dialogue with/among the audience, and with economic consideration.

Our mission can be elaborated as follows:

- To generate students to become world class filmmakers with appropriate knowledge, skills and attitudes required; refers to the creation of world-class filmmakers who possess prominent leadership traits for the global community.
- To generate students that emphasize the strength of visual storytelling with high aesthetic standards, as an attempt of Film Study Program to recognize and appreciate the most creative and value-added talents.
- To generate students that can promote dialogue with/among the audience; supporting the implementation of professional services with emphasis on the application of knowledge to the community based on in-depth research activities.
- To equip students to make films with economic considerations in order to improve the quality of life of Indonesian and international community.

Program Objectives

The objectives of the program are:

1. To provide student with aesthetics, social and cultural knowledge, critical thinking and technical skills to produce and analyze films that converse with their audience;
2. To prepare students to keep updated with and utilize ICT and media technologies;
3. To prepare students to have effective communication skills in both written and verbal forms;
4. To complement students with leadership, entrepreneurship and management skills, as well as ethics required to be a socially aware and responsible professional in global film industry;
5. To prepare students with knowledge and skills to be innovative, creative and passionate for continuous improvement in film industry.

Student Outcomes

After complete the study, graduate are:

1. Able to analyze and criticize films using basic film theories, historical facts, as well as social and cultural conditions;
2. Able to develop an innovative short film script by reviewing or adapting events or literature;
3. Able to demonstrate the ability to direct actors and audio-visual elements based on a creative interpretation of the film script;
4. Able to develop film production plan in accordance with the needs of the film script;
5. Able to demonstrate the ability to produce films by choosing the technology in film production process and integrating film elements and different techniques in accordance with the principles of cinematography and audio-visual;
6. Able to apply editing skills on images and sound recordings by using software that suits the needs of the script and director's referrals;
7. Able to apply the principle of film distribution and marketing in general;
8. Able to analyze factors that influence the development of national and international film;
9. Able to apply entrepreneurial knowledge and attitude in the film industry;
10. Able to distinguish the appropriate Information and Communication Technology in accordance with the needs of the work that can improve organizational performance;
11. Able to apply English-speaking skill as a supporting language in communicating and corresponding in a global environment.

Prospective Career of the Graduates

A wide range of career opportunities in the film industry is introduced in which students will be prepared throughout the four years of study. The integrated curriculum is designed and developed to support students in building both on their technical and non-technical skills as well as engaging with the industry and the scholarly activities of knowledge production.

The Film Study Program provides real world experience for each student where in the student may conduct real projects as a practical study within industrial contexts. The program develops the student's ability to be involved in professional practices, and ethical and organizational responsibilities. Furthermore, internship, community development and research provide students with real experience in the workplace and teach them to cope with the work environment. In addition, a series of study/field trips to visiting professionals and industries will be conducted to

give good grounds for having a broad overview of the industry. These experiences support individual career aspiration and may provide social and professional networks.

The graduates of Film Study Program are expected to be ready to fulfill the growing demands of film industry such as scriptwriting, directing, producing, cinematography, editing, and research. The graduates are also prepared to work as film researchers, programmers, curators, or film critics. BINUS UNIVERSITY provides career support for students by disseminating information on the latest job vacancies, internships, and workshops. This support service can be accessed from www.binuscareer.com.

Curriculum

Film Study Program at School of Design offers off campus experience that aims to expose students to professional life outside of campus. Upon graduating the Film Study Program, students are expected to have one-year experience in various areas of film industry. This off campus experience will be offered in 6th and 7th semester, where students can choose several tracks that suits their interest such as; Industry Experience, Research, Community Development, and Study Abroad. Students may design their off campus tracks that is best suited for their thesis needs. During the final semester students must do their thesis according to the streaming that they choose. The streaming offered are film production and film studies.

- **Film Production:**

This stream will provide students with the ability to produce a film based on their role as film director, film producer, and screenwriter.

- **Film Studies:**

This stream will provide students with the ability to analyze film with related film theories in its social and cultural context.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	FILM6044	Film Literacy*	2	
	FILM6045	Sound & Image**	6	
	FILM6083	Visual Storytelling Elements	4	
	ARTS6012	History of Art	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	FILM6084	Cinema & Social Studies	4	
	FILM6021	World Film History*	4	
	FILM6047	Scriptwriting	4	
	FILM6048	Production Workshop I	4	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	22
	FILM6050	Narrative Directing	8	
	FILM6051	Visual Techniques*	8	

Sem	Code	Course Name	SCU	Total
3	ENTR6003	Entrepreneurship I	2	22
	Elective Courses****			
	FILM6019	Film, Literature, and Adaptation	2	
	DSGN6234	Visual Communication Design Reviews	2	
4	FILM6052	Film Industry Seminar*	3	21
	FILM6054	Documentary Cinema	3	
	FILM6026	History of Indonesian Cinema	2	
	FILM6092	Production Workshop II***	5	
	Stream : Film Production			
	FILM6077	Production Design	4	
	FILM6078	New Media Production	4	
	Stream : Film Studies			
	FILM6079	Indonesian Director Studies	4	
	FILM6080	Southeast Asian Cinema & Popular Culture	4	
5	FILM6027	Film Theories*	4	24
	RSCH6030	Research Methodology for Film	4	
	ENTR6004	Entrepreneurship II	2	
	Stream : Film Production			
	FILM6093	Advanced Production Workshop***	8	
	FILM6056	Advanced Visual Techniques	4	
	FILM6081	Music for Film	2	
	Stream : Film Studies			
	FILM6094	Cultural Studies & New Media***	4	
	FILM6058	Hollywood & Genre Studies	4	
	FILM6059	Global Cinema	4	
	FILM6082	Alternative Distribution and Film Festival	2	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	FILM6030	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

****) Elective Courses: Students choose one course of two elective courses on 3rd semester

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
Stream : Film Production												
1	v						v					
2	v							v				
3	v									v		
4	v										v	
Stream : Film Studies												
5	v						v					
6		v					v					
7				v			v					
8					v		v					

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
Stream : Film Production			
FILM6085	Film Production Internship	8	
FILM6086	Film Industry Foundation	4	
FILM6087	Filmmaking Skills Application	4	
Stream : Film Studies			
FILM6064	Industrial Experience for Film	8	
FILM6088	Development of Film Industry	4	
FILM6089	Film Industry Practice	4	
Enrichment Program II			16
Stream : Film Production			
FILM6064	Industrial Experience for Film	8	
FILM6088	Development of Film Industry	4	
FILM6089	Film Industry Practice	4	
Stream : Film Studies			
FILM6062	Film Criticism & Analysis	8	
FILM6090	Film Analysis in Social Aesthetic Context	4	
FILM6091	Film Review in Mass Media	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I/II			16
RSCH6081	Research for Film	8	
RSCH6335	Academic Writing for Film Research	4	
RSCH6336	Research Implementation in Film	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I/II			16
CMDV6026	Community Development for Film	8	
CMDV6221	Program Development for Community	4	
CMDV6222	Program Execution for Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Enrichment Program I/II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	FILM6044	Film Literacy*	C
4.	FILM6084	Cinema & Social Studies	C
5.	FILM6050	Narrative Directing*	C
6.	FILM6052	Film Industry Seminar*	C

No	Course Code	Course Name	Minimal Grade
Stream : Film Production			
7.	FILM6078	New Media Production	C
8.	FILM6056	Advanced Visual Techniques	C
Stream : Film Studies			
7.	FILM6079	Indonesian Director Studies	C
8.	FILM6094	Cultural Studies & New Media	C

*) Tutorial & Multipaper

2.2.4 Faculty of Economics & Communication

The Faculty of Economics and Communication at BINUS UNIVERSITY currently manages seven programs, they are: Accounting (S1), Finance (S1), Marketing Communication (S1), Mass Communication (S1), Hotel Management (Diploma IV-equal to S1), Hospitality Management (Diploma IV-equal to S1), Culinary Arts (Diploma IV-equal to S1) and Tourism Business (S1). The curriculum of each program is continuously updated and benchmarked to local and international industries and any reputable international universities.

Accounting Study Program provides a broad variety of courses in accounting. The study program are provided in three campus locations (Kemanggisian, Alam Sutra, and Bekasi). It has concentration that are set to be align with professional accounting certification which are: Auditing and Assurance, Taxation, Managerial Accounting, and Accounting Technology in Bekasi Campus. Those concentrations are linked with national and international certification body such as IAI Global, IAPI, BKP, CIMA, ICAEW, CPA Australia and ACCA.

Finance Program is a distinguished program that provides comprehensive knowledge in Finance, Accounting and Financial Technology (Fin-Tech). This program will equip students with knowledge that enable them to analyze, evaluate and making Financing, and Investment decisions. Besides, students are also introduced and expected to embrace the trend of Fin-Tech that grows rapidly and leads to financial disruption which transforms the financial industry very quickly. Finance program is strongly linked with professional certification such as Certified Financial Analyst (CFA) and Risk Management.

Communication Department has two Programs, i.e. Marketing Communication and Mass Communication. Both programs are supported by an up-to-date curriculum that complies with the national standard of curriculum and industrial needs. Communication Department is nationally A-accredited, and offers two Double-Degree programs with the University of Canberra, Australia and the Institute des Strategies et Techniques de Communication (ISTC) - Universite Catholique de Lille - France. Marketing Communication is an interdisciplinary major that combines theories and concepts of Communication Science and Public Relations. This program emphasizes on developing communication skills, mainly on writing skill, using both, conventional and digital media. There are two streaming under Marketing Communication Program, i.e. Corporate Communication and Brand Communication. Corporate Communication focuses on strategic corporate communication plan to stakeholders using multi-channels. Brand Communication focuses on strategic plan to communicate brands to target markets using various media platforms.

Mass Communication provides students with the knowledge and skills in broadcasting, both analog and digital platform. This Program has two streaming, i.e. Journalism Broadcasting and Creative Broadcasting. Students will be taught the overall broadcasting programs production process, from pre-production to post-production, including broadcasting management, and media promotion and marketing. Similar to Marketing Communication, this Mass Communication Program also focuses on developing writing skill that relevant to broadcasting.

The Hotel Management Program was established in early January 2008 in Kemanggisan campus as a response to the increasing demand for a highly skilled hospitality specialist in the industry. As the largest provider of job vacancies in the century, tourism and hospitality industries offer substantial employment and business opportunities. However, the industry is growing much faster than the supply side of people. Therefore, BINUS UNIVERSITY aims to bridge the lack of skilled workers at all level by offering programs with high quality education training and qualification. Hotel Management Faculty Member are Certified Hospitality Educator from American Hotel and Lodging Educational Institute. Hotel Management is A-accredited nationally and accredited Internationally by TedQual-the United Nations-World Tourism Organizations to ensure student satisfaction in pursuit the best education. Consequently, students are well prepared to compete as global players in this industry around the globe.

Hospitality Management Program is focused on producing future leaders and entrepreneurs with strong leadership and entrepreneurial skills in Bekasi Campus. The curriculum is designed by applying local Indonesian cultural wisdom that have been aligned with the needs of the worldwide service industry and with the international standards set by the United Nations-World Tourism Organizations. This curriculum offers more applications and is also supported with sufficient knowledge to ensure students can apply it when starting a business in the field of services and easily gain immediate employment in the hospitality industry upon graduation. Hospitality Management Faculty Members are combined from professional and practitioner with strong academic background and experience in Hospitality industry.

Culinary Arts Program provides students with applicable knowledge and skills in cuisine including food production, pastry and bakery, hospitality management and business event management. Our vision, mission and objectives are focused on producing future leaders and entrepreneurs with strong leadership and entrepreneurial skills. The curriculum is designed by applying local Indonesian cuisine and French cuisine as its foundation. This curriculum offers more applications and is also supported with sufficient knowledge to ensure students can apply it when starting a business in the field of services and easily gain immediate employment in the hospitality industry upon graduation. Culinary Art are supported with professional Chef from five stars Hotel and Culinary Experts.

Tourism Business Program provides critical thinking of planning, marketing, and entrepreneurship as its uniqueness. It is an entrepreneurial-based study program to create a tourism entrepreneur through creativity and innovation in the field of tourism. This undergraduate program provides the knowledge and skills needed to create value through recognizing and developing opportunities. The program deals with the topics tourism planning, eco-tourism, cultural and heritage, marketing destination, and finance. All those knowledge aimed to develop a sustainable tourism as a gateway of future tourism business practitioners in the worldwide industry.

Accounting

Introduction

The Accounting Study Program has been designed with future in mind, and it has won the support of the profession and potential employers. The Accounting Study Program has strong collaboration with Indonesian Institute of Accountants (IAI Global), Indonesian Institute of Public Accountants (IAPI), Indonesian Tax Office (Ditjen Pajak), Chartered Institute of Management Accountants (CIMA), Institute of Chartered Accountant in England and Wales (ICAEW), Association of Chartered Certified Accountants (ACCA), CPA Australia, and also enjoys widespread support from major employers, such as the Big 4 accounting firms. Our state-of-the-art curriculum provides you with technical expertise in the field and develops your critical thinking, team-building, communication and information technology skills. BINUS UNIVERSITY - Accounting Study Program is accredited with grade A by the National Accreditation Board.

Vision

A leading and innovative Accounting & Finance department in the world that cooperates closely with accounting & finance industry and related institutions to produce professional accountants with extensive business, and information technology (IT) expertise.

Mission

The mission of Accounting and Finance Department is to contribute to the global community through the provision of world-class education by:

1. Recognizing, nurturing and rewarding the most creative and value-adding accounting and finance educators and students;
2. Educating students with the fundamental skills, knowledge and practice of accounting and finance in order to prepare graduates to be professional accountants in various industries and prepare them for pursuing advanced degrees in accounting, finance or related disciplines;
3. Creating global leaders who distinguish themselves as professional accountants and finance with extensive business and IT knowledge in their work organization and communities;
4. Contributing to the improvement of the body of knowledge in accounting and finance practice in Indonesia and global communities;
5. Conducting research, professional service and career development in accounting and finance with an emphasis on the application of knowledge and quality of life.

Program Objective

The objectives of the program are:

1. To prepare students with solid technical skills and conceptual knowledge of accounting and finance;
2. To prepare students with organizational and business knowledge to succeed in a career in accounting & finance;
3. To equip students with information technology knowledge that is in demand by the accounting and finance industries.

Student Outcomes

After completing the study, graduates are:

1. Able to prepare financial reports for business entities based on current Global Generally Accepted Accounting Principles (GGAAP);
2. Able to prepare management reports based on accounting knowledge to support planning, controlling, and decision-making;
3. Able to analyze financial statements, management reports, business and control risks and give recommendation to improve effectiveness of entities' financial performance;
4. Able to organize audit field work in accordance to Global Generally Accepted Auditing Standard (GGAAS);
5. Able to analyze and give recommendations to improve the effectiveness of accounting information system;
6. Able to develop various solutions to solve tax problems based on tax regulations;
7. Able to perform various type of auditing which include financial statement and management audit under relevant standards and give recommendation and opinions based on audit findings;
8. Able to recommend and advise clients on the issues of taxation corresponding tax laws;
9. Able to conduct sustainability report on a wide range of practical issues of sustainability accounting and managerial accounting.

Prospective Career of the Graduates

Demand for accounting graduates is strong, and the Accounting Study Program closely ties to local, national and international firms give students a competitive edge in the job market. The program prepares students for professional careers in public, corporate and governmental accounting; personal financial planning and portfolio analysis; and consulting. The graduates can also continue their studies to a Master Program (S2) in Indonesia or abroad. Furthermore, they can also become a Chartered Accountant, and then take a professional certificate such as Certified Public Accountant/CPA (Akuntan Publik Bersertifikat) and open their own CPA office. In addition, the graduates are able to work for a variety of local and international companies operating in the industries of manufacturing, trading, banking, insurance, public and government institutions, hospitality and service industry and much more.

Curriculum

The Accounting Study Program has been developed to provide an education with high quality standards. The curriculum is based on the development of the sciences and practices related to government regulation and National and International Accounting Association, economics and information technology. This is to assist students to become highly competence professional accountants.

In order to provide students with a deeper understanding in the accounting specialization, the Accounting Study Program offers three program concentrations that can be taken by students.

Program concentration in: Taxation

This program concentration is provided for students who want to deepen not only their knowledge of concepts and techniques of accounting as their core competence but also all aspects of taxation as their specialized competence. The students will learn about the concepts of taxation, basic tax law, procedures of income tax calculation, value added tax, tax for luxurious goods, tax accounting, and tax management. Moreover, to complete their understanding,

they are also encouraged to take tax licenses/certificates of Tax Brevet A, B, and C (or BKP/Bersertifikat Konsultan Pajak).

Program concentration in: Auditing

This program concentration is provided for students who want to expand their understanding of concepts, principles, techniques, and methods of auditing. For this, they will learn about all aspects of auditing including types and techniques of auditing, computer-assisted audit technique, and fraud auditing. Therefore, after graduating, they will have a broad sense of auditing and be able to work as an auditor – either as an internal auditor working for a company or as an external auditor working for a public accountant firm. In the future, the students can have professional certification in auditing such as Indonesia CPA (Certified Public Accountant) for external auditor and CIA (Certified Internal Auditor) for international internal auditor certification or QIA (Qualified Internal Auditor) – for local internal auditor certification and Certified Fraud Examiner (CFE).

Program concentration in: Managerial Accounting

This program concentration is designed for students who want to learn more about how to provide managers with the basis to make informed business decisions that will allow them to be better equipped in their management and control functions. Therefore, the students will learn about information on the costs of an organization's products and services, budgets, performance reports and other information which assist managers in their planning and control activities. In the future, the students can take professional certification such as CIMA (Chartered Institute of Management Accountant) for international managerial accounting certification and CPMA (Certified Practicing Management Accountant) for local managerial accounting certification.

Course Structure

Course Structure					
Sem	Code	Course Name	SCU	Total	
1	ACCT6300	Introduction to Accounting*	4/2	20	
	TAXN6034	Taxation I**	4		
	LAWS6071	Introduction to Commercial & Private Law	2		
	ECON6017	Economic Theory	2		
	FINC6019	Introduction to Money & Capital Market*	2		
	STAT6065	Economic Statistics	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6013	Character Building: Pancasila	2	21	
	ACCT6312	Accounting for Business*	2		
	TAXN6035	Taxation II**	4		
	MGMT6011	Introduction to Management and Business	4		
	ACCT6065	Cost Accounting*&***	4		
	ENTR6003	Entrepreneurship I	2		
	LANG6061	Indonesian	1		

Sem	Code	Course Name	SCU	Total
2	English University Courses II			21
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	BUSS6131	Ethics & Corporate Governance*&***	2	
	FINC7047	Corporate Financial Management***	4	
	ACCT6033	Financial Accounting I*&***	4	
	ACCT7141	Accounting Information System and Internal Control	2/2	
	ACCT7066	Managerial Accounting*&***	4	
	Stream : Managerial Accounting			
	MGMT6008	Human Resource Management	2	
	ACCT6116	Social and Environmental Accounting*	2	
	Stream : Auditing			
	ACCT6313	Public Sector Accounting	2	
	ACCT6043	International Accounting*	2	
	Stream : Taxation			
	TAXN6007	Sales Tax and Other Indirect Taxes	2	
	TAXN6012	PBB, BPHTB, BM and Regional Taxes	2	
4	CHAR6015	Character Building: Agama	2	24
	ACCT6062	Financial Audit I*&***	4	
	ACCT6059	Management Control System*&***	2	
	ACCT6034	Financial Accounting II*&***	4	
	FINC6006	Financial Modeling Laboratory*	2	
	FINC6020	Business Valuation & Analysis*	2	
	ENTR6004	Entrepreneurship II	2	
	Stream : Managerial Accounting			
	ACCT6078	Financial Accounting: Analysis and Reporting Incentives*	4	
	ACCT6075	Method and Practice of Cost Accounting*	2	
	Stream : Auditing			
	ACCT6314	Forensic Accounting and Fraud Examination*	4	
	ACCT6077	Method and Practice of Auditing	2	
	Stream : Taxation			
	TAXN6037	Taxation Management and Strategy	2	
	TAXN6038	Taxation Laboratory	4	
5	ACCT6063	Financial Audit II*&***	4	24
	ACCT6114	Research Methodology in Accounting and Finance**	2	
	ACCT6055	Accounting Theory*	2	
	MGMT6063	Strategic Management	2	
	ACCT6083	Advanced Accounting*	4	
	ACCT6315	Current Issues in Accounting and Finance*&****	2	

Sem	Code	Course Name	SCU	Total
5	Stream : Managerial Accounting			24
	MGMT6009	Project Management*	2	
	ACCT6080	Risk & Internal Control*	2	
	FINC6022	Treasury Management*	4	
	Stream : Auditing			
	ISYS6490	Information System Auditing*	4	
	ACCT7142	Internal Audit**	2	
	ACCT6079	Method and Practice of Computerized Audit	2	
	Stream : Taxation			
	TAXN6039	Taxation Accounting	4	
	TAXN7013	International Taxation*	2	
	TAXN6010	Tax Audit, Tax Collection, Objection, and Appeal	2	
6	Enrichment Program I		11	11
7	Enrichment Program II		16	16
8	ACCT6098	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v										v	
2	v									v		
3	v								v			
4	v							v				
5	v						v					
6	v											v
7		v									v	
8		v								v		
9		v							v			
10		v						v				
11		v					v					

Undergraduate Program

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
12		v										v
13			v								v	
14			v							v		
15			v						v			
16			v					v				
17			v				v					
18			v									v
19				v							v	
20				v						v		
21				v					v			
22				v				v				
23				v			v					
24				v								v
25					v						v	
26					v					v		
27					v				v			
28					v			v				
29					v		v					
30					v							v
31						v					v	
32						v				v		
33						v			v			
34						v		v				
35						v	v					
36						v						v

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			11
ACCT6275	Industrial Experience	8	
ACCT6175	Accounting in Practice	2	
ACCT6276	EES in Industrial Experience	1	
Enrichment Program II			16
ACCT6277	Professional Experience	8	
ACCT6278	Financial Reporting in Practice	4	
ACCT6279	EES in Professional Experience	4	

Enrichment Entrepreneurship Track

Enrichment Entrepreneurship Track			
Code	Course Name	SCU	Total
Enrichment Program I: (For students who only take Entrepreneurship track in semester 6, should take these following courses)			11
ENTR6316	Business Start Up	8	
ENTR6370	EES in New Accounting and Finance Business	3	
For students who take Entrepreneurship track in semester 6 and 7, should take these following courses:			
Enrichment Program I			
ENTR6316	Business Start Up	8	16
ENTR6370	EES in New Accounting and Finance Business	3	
Enrichment Program II			
ENTR6344	Growing a Business	8	
ENTR6345	Lean Start Up & Business Plan in Accounting and Finance	2	
ENTR6346	Venture Capital in Accounting and Finance	2	
ENTR6347	EES in Accounting and Finance Business Experience	4	
Enrichment Program II: (For students who only take Entrepreneurship track in semester 7, should take these following courses)			
ENTR6316	Business Start Up	8	
ENTR6153	Business Model & Validation in Accounting and Finance	2	
ENTR6154	Launching New Accounting and Finance Business	2	
ENTR6402	EES in New Accounting and Finance Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			11
RSCH6269	Research Experience	8	
RSCH6352	Proposal Writing in Accounting and Finance Research	2	
RSCH6353	Global EES (Team Work, Communication, Problem Solving & Decision Making)	1	
Enrichment Program II			16
RSCH6354	Research Report Experience	8	
RSCH6114	Scientific Writing in Accounting and Finance Research	4	
RSCH6355	Global EES (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			11
CMDV6147	Community Outreach Project Implementation	8	
CMDV6044	Community Outreach in Accounting and Finance Project Design	2	
CMDV6206	Employability and Entrepreneurial Skills in Accounting and Finance Community	1	
Enrichment Program II			16
CMDV6174	Community Development Project Implementation	8	
CMDV6179	Community Development in Accounting and Finance Project Design	4	
CMDV6180	Employability and Entrepreneurial Skills in Accounting and Finance Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			11
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	

Code	Course Name	SCU	Total
GLOB6025	Elective Course for Study Abroad 21	2	16
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 11 credits for Enrichment Program I and 16 credits for Enrichment Program II

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	TAXN6035	Taxation II*	C
4.	ACCT7066	Managerial Accounting*	C
5.	ACCT6034	Financial Accounting II*	C
6.	ACCT6063	Financial Audit II	C
7.	FINC7047	Corporate Financial Management	C
Stream : Auditing			
8.	ACCT6079	Method and Practice of Computerized Audit	C
Stream : Taxation			
8.	TAXN6038	Taxation Laboratory	C
Stream : Managerial Accounting			
8.	FINC6022	Treasury Management	C

*) Tutorial & Multipaper

Accounting Technology

Introduction

The Accounting Technology Program has been designed with future in mind, and it has won the support of the profession and potential employers. This program is designed to anticipate rapid changes in technology that resulting disruption including big data analytics and fin-tech. The Accounting Technology Program curriculum provides you with technical expertise in the field of traditional accounting and develops your critical thinking, team-building, communication and information technology skills. As part of BINUS UNIVERSITY – Accounting Study Program, Accounting Technology Program is accredited with grade A by the National Accreditation Board.

Vision

A leading and innovative Accounting & Finance department in the world that cooperates closely with accounting & finance industry and related institutions to produce professional accountants with extensive business, and information technology (IT) expertise.

Mission

The mission of Accounting and Finance Department is to contribute to the global community through the provision of world-class education by:

1. Recognizing, nurturing and rewarding the most creative and value- adding accounting and finance educators and students;
2. Educating students with the fundamental skills, knowledge and practice of accounting and finance in order to prepare graduates to be professional accountants in various industries and prepare them for pursuing advanced degrees in accounting, finance or related disciplines;
3. Creating global leaders who distinguish themselves as professional accountants and finance with extensive business and IT knowledge in their work organization and communities;
4. Contributing to the improvement of the body of knowledge in accounting and finance practice in Indonesia and global communities;
5. Conducting research, professional service and career development in accounting and finance with an emphasis on the application of knowledge and quality of life.

Program Objective

The objectives of the program are:

1. To prepare students with solid technical skills and conceptual knowledge of accounting and finance;
2. To prepare students with organizational and business knowledge to succeed in a career in accounting & finance;
3. To equip students with information technology knowledge that is in demand by the accounting and finance industries.

Student Outcomes

After completing the study, graduates are:

1. Able to prepare financial reports for business entities based on current Global Generally Accepted Accounting Principles (GGAAP);
2. Able to prepare management reports based on accounting knowledge to support planning, controlling, and decision-making;
3. Able to analyze financial statements, management reports, business and control risks and give the recommendation to improve effectiveness of entities' financial performance;
4. Able to organize audit field work in accordance to Global Generally Accepted Auditing Standard (GGAAS);
5. Able to analyze and give recommendations to improve the effectiveness of accounting information system;
6. Able to develop various solutions to solve tax problems based on tax regulations;
7. Able to analyze the effectiveness of information technology related to the implementation of appropriate systems, processes, controls and solutions in a technological based accounting environment;
8. Able to apply knowledge of managerial finance for corporate planning and decision making.

Prospective Career of the Graduates

Demand for accounting graduates is strong, and the Accounting Technology Program closely ties to local, national and international firms give students a competitive edge in the job market. The program prepares students for professional careers in public accounting firm, corporate and government institutions; banks and consulting firm. The graduates can also continue their studies to a Master Program (S2) in Indonesia or abroad. Furthermore, they can also become a professional accountant by taking Chartered Accountant exam, and then or become a professional auditor by taking Indonesian Certified Public Accountant/ICPA. Furthermore, the graduates will be able to work for various local and international companies in many industries.

Curriculum

The Accounting Technology Program has been developed to provide an education with high quality standards. The curriculum is developed based on the development of National and International Accounting Association, sciences and practices related to government regulation, economics and information technology. This is to support students to become highly competence professional accountants.

Course Structure

Course Structure					
Sem	Code	Course Name	SCU	Total	
1	ACCT6300	Introduction to Accounting*	4/2	20	
	TAXN6034	Taxation I	4		
	FINC6149	Introduction to Financial Market*	2		
	LAWS6071	Introduction to Commercial & Private Law	2		
	STAT6065	Economic Statistics	2		
	ECON6017	Economic Theory	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6013	Character Building: Pancasila	2	21	
	FINC6023	Bank & Other Financial Institution*	2		
	TAXN6035	Taxation II	4		
	MGMT6011	Introduction to Management and Business	4		
	ACCT6065	Cost Accounting*	4		
	ENTR6003	Entrepreneurship I	2		
	LANG6061	Indonesian	1		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6014	Character Building: Kewarganegaraan	2	24	
	ACCT7141	Accounting Information System and Internal Control	2/2		
	ACCT7066	Managerial Accounting*	4		
	ISYS6492	Business Process Analysis and Solution	4		

Sem	Code	Course Name	SCU	Total
3	FINC7047	Corporate Financial Management**	4	24
	BUSS6131	Ethics & Corporate Governance*	2	
	ACCT6033	Financial Accounting I*	4	
4	CHAR6015	Character Building: Agama	2	24
	ACCT6034	Financial Accounting II*	4	
	FINC6006	Financial Modeling Laboratory*	2	
	ENTR6004	Entrepreneurship II	2	
	ISYS6493	User Experience Design	2/2	
	ISYS6120	Management Information System	2	
	ACCT6062	Financial Audit I*	4	
	FINC6010	International Finance*	2	
	FINC6020	Business Valuation & Analysis*	2	
5	ACCT6063	Financial Audit II*	4	24
	ACCT6114	Research Methodology in Accounting and Finance	2	
	ACCT6055	Accounting Theory*	2	
	FINC6150	Investment Fundamentals*	2	
	ACCT6079	Method and Practice of Computerized Audit	2	
	ISYS6494	Big Data Analytics in Accounting & Finance	4	
	MGMT6063	Strategic Management	2	
	ACCT6083	Advanced Accounting*	4	
	ACCT6315	Current Issues in Accounting and Finance*&***	2	
6	Enrichment Program I		11	11
7	Enrichment Program II		16	16
8	ACCT6098	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v										v	
2	v									v		
3	v								v			
4	v							v				
5	v						v					
6	v											v
7		v									v	
8		v								v		
9		v							v			
10		v						v				
11		v					v					
12		v										v
13			v								v	
14			v							v		
15			v						v			
16			v					v				
17			v				v					
18			v									v
19				v							v	
20				v						v		
21				v					v			
22				v				v				
23				v			v					
24				v								v
25					v						v	
26					v					v		
27					v				v			
28					v			v				
29					v		v					
30					v							v
31						v					v	
32						v				v		
33						v			v			
34						v		v				
35						v	v					
36						v						v

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			11
ACCT6275	Industrial Experience	8	
ACCT6175	Accounting in Practice	2	
ACCT6276	EES in Industrial Experience	1	
Enrichment Program II			16
ACCT6277	Professional Experience	8	
ACCT6278	Financial Reporting in Practice	4	
ACCT6279	EES in Professional Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: <i>(For students who only take Entrepreneurship track in semester 6, should take these following courses)</i>			11
ENTR6316	Business Start Up	8	
ENTR6471	EES in New Accounting Technology Business	3	
For students who take Entrepreneurship track in semester 6 and 7, should take these following courses:			
Enrichment Program I			
ENTR6316	Business Start Up	8	
ENTR6471	EES in New Accounting Technology Business	3	16
Enrichment Program II			
ENTR6344	Growing a Business	8	
ENTR6472	Lean Start Up & Business Plan in Accounting Technology	2	
ENTR6473	Venture Capital in Accounting Technology	2	
ENTR6474	EES in Accounting Technology Business Experience	4	
Enrichment Program II: <i>(For students who only take Entrepreneurship track in semester 7, should take these following courses)</i>			
ENTR6316	Business Start Up	8	
ENTR6475	Business Model & Validation in Accounting Technology	2	
ENTR6476	Launching New Accounting Technology Business	2	
ENTR6477	EES in New Accounting Technology Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			11
RSCH6269	Research Experience	8	
RSCH6409	Proposal Writing in Accounting Technology Research	2	
RSCH6353	Global EES (Team Work, Communication, Problem Solving & Decision Making)	1	
Enrichment Program II			16
RSCH6354	Research Report Experience	8	
RSCH6410	Scientific Writing in Accounting Technology Research	4	
RSCH6355	Global EES (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			11
CMDV6147	Community Outreach Project Implementation	8	
CMDV6241	Community Outreach in Accounting Technology Project Design	2	
CMDV6242	Employability and Entrepreneurial Skills in Accounting Technology Community	1	
Enrichment Program II			16
CMDV6174	Community Development Project Implementation	8	
CMDV6243	Community Development in Accounting Technology Project Design	4	
CMDV6244	Employability and Entrepreneurial Skills in Accounting Technology Development	4	

Enrichment Study Abroad Track

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			11
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	

Code	Course Name	SCU	Total
GLOB6014	Elective Course for Study Abroad 10	2	11
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 11 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	TAXN6035	Taxation II*	C
4.	ACCT7066	Managerial Accounting*	C
5.	ACCT6034	Financial Accounting II*	C
6.	ACCT6063	Financial Audit II	C
7.	FINC7047	Corporate Financial Management	C
8.	ISYS6492	Business Process Analysis and Solution	C

*) Tutorial & Multipaper

Finance

Introduction

Finance Program is a distinguished program that provides comprehensive knowledge in Finance, Accounting and Financial Technology (Fin-Tech). This program will equip students with knowledge that enable them to analyze, evaluate and making Financing, and Investment decisions. Besides, students are also introduced and expected to embrace the trend of Fin-Tech that grows rapidly and leads to financial disruption which transforms the financial industry very quickly.

Students have the opportunity to acquire direct practical experience through internship placement in finance related field and also the opportunity to gain international experiences through exchange students and short course programs in overseas. The program is also accredited and recognized by professional accountancy and finance bodies such as CFA (Chartered Financial Analyst).

The curriculum provides students with technical expertise in the field and develops critical thinking, team-building, problem solving, communication, business process and organization and also information technology skills.

Vision

A leading and innovative Finance Program in the world that cooperates closely with accounting & finance industry and related institutions to produce professional accountants with extensive business, investment and information technology (IT) expertise.

Mission

The mission of Finance Program is to contribute to the global community through the provision of world-class education by:

1. Recognizing, nurturing and rewarding the most creative and value-adding Finance educators and students.
2. Educating students with the fundamental skills, knowledge and practice of finance and accounting in order to prepare graduates to be professional in finance industries and prepare them for pursuing advanced degrees in finance or related disciplines.
3. Creating global leaders who distinguish themselves as professional with extensive business finance, investment and IT knowledge in their work organization and communities.
4. Contributing to the improvement of the body of knowledge in finance practice in Indonesia and international global communities.
5. Conducting research, professional service and career development in finance and accounting with an emphasis on the application of knowledge and quality of life.

Program Objective

The Objectives of the program are:

1. To prepare students with solid technical skills and conceptual knowledge of accounting and finance;
2. To prepare students with organizational and business knowledge to succeed in a career in accounting & finance;

3. To equip students with information technology knowledge that is in demand by finance and accounting industries.

Student Outcomes

After completing the study, graduates are:

1. Able to prepare financial reports for business entities based on current Global Generally Accepted Accounting Principles (GGAAP);
2. Able to prepare management reports based on accounting knowledge to support planning, controlling, and decision-making;
3. Able to analyze financial statements, management reports, business and control risks and give the recommendation to improve effectiveness of entities' financial performance;
4. Able to organize audit field work in accordance to Global Generally Accepted Auditing Standard (GGAAS);
5. Able to analyze and give recommendations to improve the effectiveness of accounting information system;
6. Able to conduct analysis of managerial finance for planning and decision making in the company;
7. Able to evaluate investment decision to produce a strategic decision in a company or advisory to clients;
8. Able to apply the development of Finance-Technology (Fin-Tech) in Finance and Investment field.

Prospective Career of the Graduates

Because of rapid grow in the finance industry, demand for finance graduates is enormous and varies. Graduates from finance program have opportunities to work in various industries, including accounting and finance industry such as financial services and investment companies, corporates as well as accounting firms. Their prospective careers include but are not limited to the following: Financial Analyst, Investment Analyst, Equity Analyst, Broker and dealer, Professional Banker, Risk Analyst, Treasurer, and Auditor.

Curriculum

The Finance Program has been developed to provide an education with high quality standards. Students will learn about accounting, financial services, corporate finance and investment management in domestic and international perspectives as well as the trend in Financial Technology. The curriculum offers internship placement for one year, also gets accredited and recognized by professional accountancy and finance bodies to prepare students to access job markets across the nation.

Course Structure

Course Structure				
Sem	Code	Course Name	SCU	Total
1	MGMT6011	Introduction to Management and Business	4	20
	ACCT6300	Introduction to Accounting*	4/2	
	TAXN6034	Taxation I	4	
	FINC6019	Introduction to Money & Capital Market**&***	2	
	ECON6017	Economic Theory	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	

Sem	Code	Course Name	SCU	Total
2	CHAR6013	Character Building: Pancasila	2	21
	ACCT6065	Cost Accounting*	4	
	TAXN6035	Taxation II	4	
	FINC6154	Digital Banking and Fin-Tech**&***	4	
	LAWS6071	Introduction to Commercial & Private Law	2	
	LANG6061	Indonesian	1	
	ISYS6484	Information Systems & Innovation	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	ENTR6003	Entrepreneurship I	2	
	ACCT7066	Managerial Accounting*	4	
	ACCT7141	Accounting Information System and Internal Control	2/2	
	ACCT6033	Financial Accounting I*	4	
	FINC7007	Corporate Financial Management**&***	4	
	FINC6073	Lab Trading Simulation**	2	
	FINC6010	International Finance**&***	2	
4	CHAR6015	Character Building: Agama	2	24
	ACCT6034	Financial Accounting II*	4	
	FINC6006	Financial Modeling Laboratory**&***	2	
	MGMT6063	Strategic Management	2	
	FINC8071	Investment Analysis and Portfolio Management***&****	4	
	ISYS6483	User Experience Design	2	
	RSCH6011	Quantitative Analysis**	2	
	ACCT6062	Financial Audit I*	4	
	BUSS6131	Ethics and Corporate Governance*	2	
5	ENTR6004	Entrepreneurship II	2	24
	ACCT6083	Advanced Accounting*	4	
	ISYS6485	Big Data Analytics in Financial Services	4	
	ACCT6063	Financial Audit II*	4	
	ACCT6114	Research Methodology in Accounting and Finance	2	
	ACCT6055	Accounting Theory*	2	
	FINC6148	Risk Management***&****	4	
	FINC6020	Business Valuation & Analysis**&***	2	
6	Enrichment Program I		11	11
7	Enrichment Program II		16	16
8	ACCT6082	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

***) Entrepreneurship Embedded

**) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v										v	
2	v									v		
3	v								v			
4	v							v				
5	v						v					
6	v											v
7		v									v	
8		v								v		
9		v							v			
10		v						v				
11		v					v					
12		v										v
13			v								v	
14			v							v		
15			v						v			
16			v					v				
17			v				v					
18			v									v
19				v							v	
20				v						v		
21				v					v			
22				v				v				
23				v			v					
24				v								v
25					v						v	
26					v					v		
27					v				v			
28					v			v				
29					v		v					
30					v							v
31						v					v	
32						v				v		
33						v			v			
34						v		v				
35						v	v					
36						v						v

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			11
FINC6135	Industrial Experience	8	
FINC6136	Accounting & Finance in Practice	2	
FINC6137	EES in Industrial Experience	1	
Enrichment Program II			16
FINC6138	Professional Experience	8	
FINC6139	Accounting, Finance & Investment in Practice	4	
FINC6140	EES in Professional Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: <i>(For students who only take Entrepreneurship track in semester 6, should take these following courses)</i>			11
ENTR6317	Business Start Up	8	
ENTR6371	EES in New Accounting and Finance Business	3	
For students who take Entrepreneurship track in semester 6 and 7, should take these following courses:			
Enrichment Program I			
ENTR6317	Business Start Up	8	16
ENTR6371	EES in New Accounting and Finance Business	3	
Enrichment Program II			
ENTR6338	Growing a Business	8	
ENTR6339	Lean Start Up & Business Plan in Accounting and Finance	2	
ENTR6342	Venture Capital in Accounting and Finance	2	
ENTR6349	EES in Accounting and Finance Business Experience	4	
Enrichment Program II: <i>(For students who only take Entrepreneurship track in semester 7, should take these following courses)</i>			
ENTR6317	Business Start Up	8	
ENTR6408	Business Model & Validation in Accounting and Finance	2	
ENTR6409	Launching New Accounting and Finance Business	2	
ENTR6410	EES in New Accounting and Finance Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			11
RSCH6270	Research Experience	8	
RSCH6365	Proposal Writing in Accounting and Finance Research	2	
RSCH6366	Global EES (Team Work, Communication, Problem Solving & Decision Making)	1	
Enrichment Program II			16
RSCH6367	Research Report Experience	8	
RSCH6368	Scientific Writing in Accounting and Finance Research	4	
RSCH6369	Global EES (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			11
CMDV6148	Community Outreach Project Implementation	8	
CMDV6170	Community Outreach in Accounting and Finance Project Design	2	
CMDV6207	Employability and Entrepreneurial Skills in Accounting and Finance Community	1	
Enrichment Program II			16
CMDV6218	Community Development Project Implementation	8	
CMDV6219	Community Development in Accounting and Finance Project Design	4	
CMDV6220	Employability and Entrepreneurial Skills in Accounting and Finance Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			11
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	

Code	Course Name	SCU	Total
GLOB6014	Elective Course for Study Abroad 10	2	11
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 11 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	TAXN6035	Taxation II*	C
4.	ACCT7066	Managerial Accounting*	C
5.	ACCT6034	Financial Accounting II*	C
6.	ACCT6063	Financial Audit II	C
7.	FINC7007	Corporate Financial Management	C
8.	FINC8071	Investment Analysis and Portfolio Management	C

*) Tutorial & Multipaper

Hotel Management

Introduction

Bachelor of Applied Science in Hotel Management aims to offer a vocational education for a successful career in hotel industry. The program provides expertise in food & beverage division and room division with two streaming program to be chosen; Culinary Art and Hotel Operation Services. This program also provides the comprehensive management as well as valuable knowledge, skills and attitude to form competitive student competencies. Students will also gain an insight of hospitality industry through one year of industry work experience in four to five star international and multinational hotels, domestic and overseas. Competing in various international and national hospitality competitions becomes another must have achievements. In extent to that, international experiences such as study abroad, guest lecturer, seminar, and workshop supplement into teaching and learning activities are given. Hotel Management refers to both National and International standard from United Nation World Tourism Organizations to ensure student satisfaction in pursuit of the best education. This is in line with the curriculum that has been reinforced with international and local contents to fully equip graduates for managing diverse hotel operations, followed with high employment rate in multinational and global hospitality company and Food & Beverage startup.

Vision

A leading and best recognized hospitality department in South East Asia by 2020.

Mission

The mission of Hotel Management Department is to contribute to the global community through the provision of world-class education by:

1. Educating students with a thorough competency in hospitality, functional and managerial skills, as well as to encourage potential students to become entrepreneurs, by providing an innovative and creative education, supported with hospitality related work experience.
2. Educating students to become hospitality leaders in a diverse work environment and to prepare them for further advance studies.
3. Providing professional training and consulting services in technical and managerial skills for all levels of hospitality organizations, both locally and internationally.
4. Improving the standards of living for Indonesians by providing community development programs and services in the hospitality sector.
5. Retaining and acknowledging hospitality talents through research and benchmarking which in turn will enhance the competitive advantage of the Indonesian tourism industry in South East Asia.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of knowledge and understanding about hospitality industry.
2. To provide students with technical skills and professional expertise in the hospitality field that can be applied for the community development program and training services in a hospitality organization.

3. To provide students with management skills through research and work experiences, thereby empowering them to become leaders in a diverse range of hospitality business in South East Asia.

Student Outcomes

After completing the study, graduates are:

1. Able to design a hotel operational system that includes policies, regulations, and business process diagrams.
2. Able to manage hotel operations including the ability to plan, run, supervise, evaluate and follow up evaluation results.
3. Able to analyze by using yield management method, evaluate, and propose alternative solution of hotel operational problem in room division and food and beverage division.
4. Able to design new operational procedures in room division and food & beverage division with effectively and efficiently way.
5. Able to improve the existing procedure in room division and food beverage division to upgrade the effectiveness and efficiency.
6. Able to planning, running, supervising, evaluating and following up the results of the evaluation of Human Resources at the hotel in room division and food beverage division.
7. Able to create and modify hotel products and services in accordance with the terms of reference specified.
8. Able to design promotion activities for hotel product and service.
9. Able to make financial reports in accordance with the standards of hotel financial statements for room division and food beverage division income.
10. Able to prepare procurement planning, recording, storage and distribution of materials and supplies for operational activities in room division and food beverage division.
11. Able to prepare procurement planning, recording, distribution, estimated maintenance and asset removal for hotel operational that fulfill the quality standards in hotels.
12. Able to apply the values of hospitality (Integrity, Perfect, Trusted, Professional, Personality) and Global Code of Ethic of Tourism in the hotel business.
13. Able to implement skills in the culinary which includes kitchen, pastry and bakery to produce an international quality product in terms of correct professional preparation, cooking process, presentation and taste.
14. Able to implement skills in room division (front office, housekeeping, laundry) and the division of the food and beverage (bar and restaurant), to provide excellent service in accordance with the standards of hotel operations.
15. Able to design business concepts in the hospitality which includes design concepts, operational systems, managerial systems and emerging trends.
16. Able to optimize the use of technology in room division and food beverage division.

Prospective Career of the Graduates

Graduates will be able to pursue national and international career paths on the hospitality industry at managerial as well as operational levels worldwide. The managerial positions open for the Hotel Management graduates are varied and limitless. With a hospitality qualification, a graduate can choose from a wide range of careers. The career options include:

1. Food Production (Kitchen & Pastry)
Chef de Cuisine, Chef de Partie, Demi Chef, Pastry Chef, Executive Chef, Celebrity Chef, Chef on Board, Catering Manager, Production Manager, Kitchen Manager, Chief Steward, Kitchen Artist, Cost Controller, Food Nutritionist.
2. Food & Beverage Service
Barista, Bartender, Mixologist, Greeter, Waiter, Banquet Operations, Restaurant Manager, Bar Manager, Beverage Manager, Sommelier, Banquet Manager, Food & Beverage Manager.
3. Rooms Division- Front Office
Front Desk Agent, Guest Relation Officer, Concierge, Executive Lounge, Business Center Agent, Butler, Front Office Supervisor, Rooms Controller, Telephone Operator, Chief Concierge, Head Butler, Duty Manager, Recreation Manager, Executive Lounge Manager, Front Office Manager, Rooms Division Manager, Director of Rooms.
4. Rooms Division- Housekeeping
Housekeeping Supervisor, Floor Supervisor, Housekeeping Order Taker, Laundry Manager, Linen & Uniform Supervisor, Executive Housekeeper.
5. Sales & Marketing
Sales Coordinator, Sales Executive, Sales Manager, Public Relations Officer, Public Relation Manager, Food & Beverage Sales, Banquet Sales, Event Manager, Wedding Specialist, Conference Sales Manager, Senior Sales Manager, Director of Event, Director of Sales, Director of Marketing, Director of Sales & Marketing.
6. Human Resources
Human Resources Coordinator, Training Coordinator, Training Manager, Recruitment Manager, Human Resources Manager, Director of Human Resources, Director of Learning & Development.
7. Top Management
Resident Manager, Executive Assistant Manager, General Manager, Director, Owner.

Curriculum

The Hotel Management curriculum is designed to meet the industry needs that cover skills, knowledge, and attitude required for pursuing a management career in the hospitality industry.

- Hospitality Culinary Area
Food Production, Kitchen Operation, Asian Cuisine, Pastry & Bakery Production, Pastry & Bakery Decoration, Culinary Art, Food Nutrition, Indonesian Cuisine.
- Hospitality Operations Area
Food & Beverage Service, Bar & Beverage, The Art of Wine & Coffee, Front Office, Housekeeping, Laundry
- Hospitality Knowledge
Introduction to Tourism, Introduction to Hospitality, Workplace Hygiene Safety, and Security in Hospitality, Consumer Behavior, Hotel Operation Supervisory.
- Hospitality Managerial
- Catering Management, Restaurant Management, Marketing Management, Human Resources Management, Facility Management, Financial Management, Service Management, Strategic Management, Entrepreneurship.

Course Structure

Sem	Code	Course Name	SCU	Total
1	HTMN6001	Introduction to Hospitality**	4	20
	HTMN6002	Introduction to Tourism*&***	2	
	FINC6133	Principle of Accounting and Finance in Hospitality	4	
	HTMN6003	Workplace, Hygiene, Safety and Security for Hospitality	4	
	HTMN6004	Introduction to Food Production*	2	
	HTMN6005	Introduction to Hotel Operation Service*	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	FINC6143	Financial Management in Hospitality*	2	
	HTMN6006	Rooms Division Operation*&***	4	
	HTMN6007	Food and Beverage Service Operation*	4	
	HTMN6008	Kitchen Operation*&***	4	
	LANG6061	Indonesian	1	
	Elective Course****			
	LANG6016	French Language I	2	
	CHIN6061	Chinese Language I	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24/22
	ENTR6003	Entrepreneurship I	2	
	Stream : Culinary Art			
	HTMN6009	Asian Cuisine*&***	2/4	
	HTMN6010	Pastry & Bakery Production*	4	
	HTMN6011	Culinary Art*&***	4	
	HTMN6012	Food Nutrition	2	
	HTMN6013	Catering Management	2	
	Stream : Hotel and Operation Services			
	HTMN6014	Front Office Operation*	4	
	HTMN6015	Housekeeping Operation*&***	4	
	HTMN6016	Bar and Beverage Operation*&***	2/4	
	HTMN6017	Restaurant Management	2	
	Elective Course****			
	LANG6017	French Language II	2	
	CHIN6062	Chinese Language II	2	

Sem	Code	Course Name	SCU	Total
4	CHAR6015	Character Building: Agama	2	22/24
	MKTG6233	Marketing Management in Hospitality**	4	
	HTMN6018	Consumer Behavior in Hospitality*	2	
	MGMT6298	Human Resources Management in Hospitality*	2	
	Stream : Culinary Art			
	HTMN6019	Indonesian Cuisine*&***	4	
	HTMN6020	Pastry and Cake Decoration*&***	4	
	HTMN6021	Food Production Management	2	
	Stream : Hotel and Operation Services			
	HTMN6022	Front Office Management	2/2	
	HTMN6023	The Art Of Wine and Coffee*,&***&****	4	
	HTMN6024	Housekeeping Management	2/2	
	Elective Course****			
	LANG6018	French Language III	2	
	CHIN6063	Chinese Language III	2	
5	Enrichment Program I		15	15
6	Enrichment Program II		16	16
7	ENTR6004	Entrepreneurship II	2	18
	HTMN6025	Research Methodology in Hospitality	2/2	
	MGMT6305	Strategic Management in Hospitality*	2	
	HTMN6027	Service Management**	4	
	MGMT6304	Organization Behavior in Hospitality*	2	
	HTMN6029	Hotel Operations Supervisory***	4	
8	HTMN6030	Facility Management in Hospitality	4	10
	HTMN6031	Final Project	6	
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

****) Elective Courses:

- Student required to choose 2 credits from elective courses on 2nd semester
- Student chooses elective courses on 3^d and 4th semester are same with selected elective courses on 2nd semester

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (5th Semester) & Enrichment Program II (6th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
Stream : Culinary Art			
HTMN6033	Industrial Experience in Culinary	8	
HTMN6034	EES in Culinary	3	
HTMN6035	Food Preparation	4	
Stream : Hotel and Operation Services			
HTMN6036	Industrial Experience in Hotel Operation	8	
HTMN6037	EES in Hotel Operation	3	
HTMN6038	Operational Skill in Hotel Operation	4	
Enrichment Program II			16
Stream : Culinary Art			
HTMN6039	Professional Experience in Culinary	8	
HTMN6040	Leadership in Culinary	4	
HTMN6041	Food Production	4	
Stream : Hotel and Operation Services			
HTMN6042	Professional Experience in Hotel Operation	8	
HTMN6043	Leadership in Hotel Operation	4	
HTMN6044	Managerial Skill in Hotel Operation	4	

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	HTMN6003	Workplace, Hygiene, Safety and Security for Hospitality*	C
4.	HTMN6006	Rooms Division Operation*	C
5.	HTMN6018	Consumer Behavior in Hospitality	C
6.	HTMN6008	Kitchen Operation	C
Streaming : Culinary Art			
7.	HTMN6010	Pastry & Bakery Production	C
8.	HTMN6013	Catering Management*	C
Streaming : Hotel and Operation Services			
7.	HTMN6017	Restaurant Management*	C
8.	HTMN6022	Front Office Management	C

*) Tutorial & Multipaper

Hospitality Management

Introduction

The program is aimed at producing professional and entrepreneurs who will be equipped with the applicable knowledge and skills in the hospitality business including hotel operation and event management. Our vision, mission and objectives are focused on producing future leaders and entrepreneurs with strong leadership and entrepreneurial skills. The curriculum is designed by applying local Indonesian cultural wisdom that have been recognized by the worldwide service industry and the international standards from UNWTO. This curriculum offers more applications and is also supported with sufficient knowledge to ensure students can apply it when starting a business in the field of services and easily gain immediate employment in the hospitality industry upon graduation. Students will be required to conduct two enrichment programs within six months (internship, study abroad or entrepreneurship). Through a comprehensive curriculum involving industry experts, students will have exciting career opportunities in management, supervisory and administrative positions in the hospitality industry.

Vision

To be the center of service excellence in hospitality for hoteliers in South East Asia.

Mission

The missions of the Hospitality Management Program are to provide application-oriented international standard education and training to produce competent and committed human resources to meet the demands of the hospitality industries by:

1. Training and educating, at all levels, persons of outstanding abilities who can become future leaders and entrepreneurs in the hospitality industry.
2. Engaging between the students, industries and community to participate in developing hospitality industries.
3. Providing professional training and consulting services for all levels of hospitality sectors.
4. Stimulating and inspiring the students to become entrepreneurs by providing an innovative and creative education.

Program Objectives

The objectives of the program are:

1. To provide a common body of knowledge in hospitality management coupled with a broad education and awareness of skills and attitudes which prepare students for responsible leadership roles in the hospitality industry.
2. To provide students with relevant hands-on operational experience in some facet of the hospitality industry.
3. To develop employability skills required of hotel – restaurant management and basic cuisine through the use of competency – based programs.

Student Outcomes

After completing the study, graduates are:

1. Able to design a hotel operational system that includes policies, regulations, and business process diagrams.
2. Able to manage hotel operations including the ability to plan, run, supervise, evaluate and follow up evaluation results.
3. Able to analyze by using yield management method, evaluate, and propose alternative solution of hotel operational problem in room division and food and beverage division.
4. Able to design new operational procedures in room division and food & beverage division with effectively and efficiently way.
5. Able to improve the existing procedure in room division and food beverage division to upgrade the effectiveness and efficiency.
6. Able to planning, running, supervising, evaluating and following up the results of the evaluation of Human Resources at the hotel in room division and food beverage division.
7. Able to create and modify hotel products and services in accordance with the terms of reference specified.
8. Able to design promotion activities for hotel product and service.
9. Able to make financial reports in accordance with the standards of hotel financial statements for room division and food beverage division income.
10. Able to prepare procurement planning, recording, storage and distribution of materials and supplies for operational activities in room division and food beverage division.
11. Able to prepare procurement planning, recording, distribution, estimated maintenance and asset removal for hotel operational that fulfil the quality standards in hotels.
12. Able to apply the values of hospitality (Integrity, Perfect, Trusted, Professional, Personality) and Global Code of Ethic of Tourism in the hotel business.
13. Able to manage functional areas (front office, housekeeping, governance) in hotel operations by applying the basic principles.
14. Able to held a hospitality event by applying special skills in the event planning.
15. Able to design a new business that includes design concepts, operations, management, and the growing trend in culinary and accommodation services.
16. Able to apply ICT products and services needed in global professional practice.

Prospective Career of the Graduates

Graduates will be able to pursue national and international career paths in the hospitality industry at managerial as well as operational levels worldwide. The managerial positions open for the Hospitality Management graduates are varied and limitless. With a hospitality qualification, a graduate can choose from a wide range of careers. The career options include:

1. Food & Beverage Service
Barista, Bartender, Mixologist, Waiter, Banquet Manager, Convention Manager, Restaurant Manager, Bar Manager, Beverage Manager, Food & Beverage Manager.
2. Rooms Division
Front Desk Agent, Guest Relation Officer, Concierge, Executive Lounge, Business Center Agent, Front Office Supervisor, Chief Concierge, Duty Manager, Recreation Manager, Executive Lounge Manager, Front Office

Manager, Rooms Division Manager, Housekeeping Supervisor, Floor Supervisor, Housekeeping Order Taker, Executive Housekeeper, Director of Rooms.

3. Sales & Marketing

Sales Coordinator, Sales Executive, Sales Manager, Public Relations Officer, Public Relation Manager, Food & Beverage Sales, Banquet Sales, Event Manager, Wedding Specialist, Conference Sales Manager, Senior Sales Manager, Director of Events, Director of Sales, Director of Marketing, Director of Sales & Marketing.

4. Human Resources

Human Resources Coordinator, Training Coordinator, Training Manager, Recruitment Manager, Human Resources Manager, Director of Human Resources, Director of Learning & Development.

5. Top Management

Resident Manager, Executive Assistant Manager, General Manager, Director, Owner.

Curriculum

The Hospitality Management curriculum is designed to meet the industry needs that cover skills, knowledge, and attitudes required for pursuing a management career in the hospitality industry.

- Hospitality Culinary Area
Introduction to Food Production, Pastry and Bakery Introduction, Kitchen Operation
- Hospitality Operations Area
Introduction to Hotel Operation Service, Room Division, Food and Beverage Service Operation, Café and Bar Operation, Workplace Hygiene Safety, Security in Hospitality, Front Office Management, Hotel and Resort Management, Housekeeping Management, Front Office Management.
- Hospitality Knowledge
Introduction to Tourism, Introduction to Hospitality, Consumer Behavior in Hospitality, Hotel Operation Supervisory, Hospitality Business Events.
- Hospitality Managerial
Financial Management in Hospitality, Organizational Behavior in Hospitality, Marketing Management, Human Resources Management, Facility Management, Financial Management, Service Management, Strategic Management, Entrepreneurship.

Course Structure

Sem	Code	Course Name	SCU	Total
1	HTMN6001	Introduction to Hospitality*	4	20
	HTMN6002	Introduction to Tourism*	2	
	FINC6133	Principle of Accounting and Finance in Hospitality*	4	
	HTMN6003	Workplace, Hygiene, Safety and Security for Hospitality*	4	
	HTMN6004	Introduction to Food Production*	2	
	HTMN6005	Introduction to Hotel Operation Service*	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	

Sem	Code	Course Name	SCU	Total
2	CHAR6013	Character Building: Pancasila	2	21
	ENTR6003	Entrepreneurship I	2	
	HTMN6006	Rooms Division Operation*	4	
	FINC6143	Financial Management in Hospitality*	2	
	LANG6061	Indonesian	1	
	HTMN6051	Cross Culture Studies*	2	
	MKTG6233	Marketing Management in Hospitality*	4	
	HTMN6045	Introduction to Pastry and Bakery*	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	MGMT6298	Human Resources Management in Hospitality*	2	
	HTMN6007	Food and Beverage Service Operation*	4	
	HTMN6008	Kitchen Operation*	4	
	HTMN6054	Café and Bar Operation*&***	2/4	
	HTMN6024	Housekeeping Management	2/2	
	Elective Course***			
	LANG6016	French Language I	2	
	CHIN6061	Chinese Language I	2	
4	CHAR6015	Character Building: Agama	2	22
	HTMN6018	Consumer Behavior in Hospitality*	2	
	ENTR6004	Entrepreneurship II	2	
	HTMN6053	Hotel Front Office Management*	2/4	
	HTMN6027	Service Management*	4	
	HTMN6055	Hotel and Resort Management*	2	
	Elective Course***			
	LANG6098	French Language II	4	
	CHIN6120	Chinese Language II	4	
5	HTMN6025	Research Methodology in Hospitality*	2/2	22
	MGMT6304	Organization Behavior in Hospitality*	2	
	HTMN6029	Hotel Operations Supervisory*&***	4	
	HTMN6030	Facility Management in Hospitality*	4	
	MGMT6305	Strategic Management in Hospitality*	2	
	HTMN6056	Hospitality Business Event*	2/2	
	HTMN6057	Revenue Management*	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	HTMN6031	Final Project	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Entrepreneurship Embedded

***) Elective Courses:

- Student required to choose 2 credits from elective courses in semester 3
- Student chooses elective courses in semester 4, same with foreign language courses taken in semester 3

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v								v			
3	v										v	
4			v				v					
5					v		v					

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
HTMN6058	Hospitality Work Placement	8	
HTMN6064	Operational Service in Hospitality Industry	4	
HTMN6065	Front Liner Skills	3	
Enrichment Program II			16
HTMN6061	Hospitality Apprenticeship	8	
HTMN6066	Managerial Skills in Hospitality Industry	4	
HTMN6067	Leadership in Hospitality	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6465	Business Start Up in Hospitality	8	
ENTR6466	Business Model & Validation for Hospitality	2	
ENTR6467	Launching New Hospitality Venture	2	
ENTR6468	EES in New Hospitality Business	3	
Enrichment Program II			16
ENTR6465	Business Start Up in Hospitality	8	
ENTR6466	Business Model & Validation for Hospitality	2	
ENTR6467	Launching New Hospitality Venture	2	
ENTR6469	EES in New Hospitality Business	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	

Code	Course Name	SCU	Total
GLOB6014	Elective Course for Study Abroad 10	2	16
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	HTMN6003	Workplace, Hygiene, Safety and Security for Hospitality*	C
4.	HTMN6006	Rooms Division Operation*	C
5.	HTMN6018	Consumer Behavior in Hospitality	C
6.	HTMN6008	Kitchen Operation	C
7.	HTMN6051	Cross Culture Studies	C
8.	HTMN6053	Hotel Front Office Management*	C

*) Tutorial & Multipaper

Hospitality Management (Culinary Arts)

Introduction

The program provides students with applicable knowledge and skills in cuisine including food production, pastry and bakery, hospitality management and business event management. Our vision, mission and objectives are focused on producing future leaders and entrepreneurs with strong leadership and entrepreneurial skills. The curriculum is designed by applying local Indonesian cuisine and French cuisine as its foundation. This curriculum offers more applications and is also supported with sufficient knowledge to ensure students can apply it when starting a business in the field of services and easily gain immediate employment in the hospitality industry upon graduation. Students will be required to conduct two enrichment programs within six months (internship, study abroad or entrepreneurship). Through a comprehensive curriculum involving culinary experts, students will have exciting career opportunities in the culinary business in the hospitality industry.

Vision

To be the center of service excellence in hospitality for hoteliers in South East Asia.

Mission

The missions of the Culinary Arts Program are to provide application-oriented international standard education and training to produce competent and committed human resources to meet the demands of the hospitality industries by:

1. Training and educating, at all levels, persons of outstanding abilities who can become future leaders and entrepreneurs in the hospitality industry.
2. Engaging between the students, industries and community to participate in developing hospitality industries.

3. Providing professional training and consulting services for all levels of hospitality sectors.
4. Stimulating and inspiring the students to become entrepreneurs by providing an innovative and creative education.

Program Objectives

The objectives of the program are:

1. To provide a common body of knowledge in culinary art including a broad education and awareness of skills and attitudes which prepare students for responsible leadership roles in the hospitality industry.
2. To provide students with relevant hands-on operational experience in some facets of the culinary industry.
3. To develop employability skills required of hotel – restaurant management and culinary art experts through the use of competency – based programs.

Student Outcomes

After completing the study, graduates are:

1. Able to design a hotel operational system that includes policies, regulations, and business process diagrams.
2. Able to manage hotel operations including the ability to plan, run, supervise, evaluate and follow up evaluation results.
3. Able to analyze by using yield management method, evaluate, and propose alternative solution of hotel operational problem in room division and food and beverage division.
4. Able to design new operational procedures in room division and food & beverage division with effectively and efficiently way.
5. Able to improve the existing procedure in room division and food beverage division to upgrade the effectiveness and efficiency.
6. Able to planning, running, supervising, evaluating and following up the results of the evaluation of Human Resources at the hotel in room division and food beverage division.
7. Able to create and modify hotel products and services in accordance with the terms of reference specified.
8. Able to design promotion activities for hotel product and service.
9. Able to make financial reports in accordance with the standards of hotel financial statements for room division and food beverage division income.
10. Able to prepare procurement planning, recording, storage and distribution of materials and supplies for operational activities in room division and food beverage division.
11. Able to prepare procurement planning, recording, distribution, estimated maintenance and asset removal for hotel operational that fulfil the quality standards in hotels.
12. Able to apply the values of hospitality (Integrity, Perfect, Trusted, Professional, Personality) and Global Code of Ethic of Tourism in the hotel business.
13. Able to produce products that have the taste and appearance that conforms to international hotel standards by applying the principles of good and correct cooking.
14. Able to held a culinary event by applying special skills in the event planning.
15. Able to design a new business that includes design concepts, operations, management, and the growing trend in culinary and accommodation services.
16. Able to apply ICT products and services needed in global professional practice.

Prospective Career of the Graduates

Graduates will be able to pursue national and international career paths on the hospitality industry at managerial as well as operational levels worldwide. The managerial positions open for the Culinary Arts graduates are varied and limitless. With a hospitality qualification, a graduate can choose from a wide range of careers. The career options include:

1. Food Production (Kitchen & Pastry)
Chef de Cuisine, Chef de Partie, Demi Chef, Pastry Chef, Executive Chef, Celebrity Chef, Chef on Board, Catering Manager, Production Manager, Kitchen Manager, Kitchen Artist.
2. Food & Beverage Service
Barista, Bartender, Mixologist, Greeter, Waiter, Restaurant Manager, Bar Manager, Beverage Manager, Banquet Manager, Food & Beverage Manager, Café Manager.
3. Top Management
Resident Manager, Executive Assistant Manager, General Manager, Director, Owner.

Curriculum

The Culinary Arts curriculum is designed to meet industry needs that cover skills, knowledge, and attitude required for pursuing a management career in the hospitality industry.

- Culinary Area
Introduction to Food Production, Kitchen Operation, Pastry and Bakery Introduction, Pastry and Bakery Advanced, Authentic Indonesian Cuisine, Food Nutrition, Western and French Cuisine.
- Hospitality Operations Area
Food & Beverage Service, Introduction to Tourism, Introduction to Hospitality, Workplace Hygiene Safety, and Security in Hospitality, Consumer Behavior, Hotel Operation Supervisory, Restaurant Service, Culinary Business Event.
- Hospitality Knowledge
Introduction to Tourism, Introduction to Hospitality, Workplace Hygiene Safety, and Security in Hospitality, Consumer Behavior in Hospitality, Hotel Operation Supervisory, Hospitality Business Event.
- Hospitality Managerial
Financial Management in Hospitality, Organizational Behavior in Hospitality, Marketing Management, Human Resources Management, Facility Management, Financial Management, Service Management, Strategic Management, Entrepreneurship.

Course Structure

Sem	Code	Course Name	SCU	Total
1	HTMN6001	Introduction to Hospitality*	4	20
	HTMN6002	Introduction to Tourism*	2	
	FINC6133	Principle of Accounting and Finance in Hospitality*	4	
	HTMN6003	Workplace, Hygiene, Safety and Security for Hospitality*	4	
	HTMN6004	Introduction to Food Production*	2	
	HTMN6005	Introduction to Hotel Operation Service*	2	

Sem	Code	Course Name	SCU	Total
1	English University Courses I			20
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	MKTG6233	Marketing Management in Hospitality*	4	
	HTMN6007	Food and Beverage Service Operation*	4	
	HTMN6008	Kitchen Operation*	4	
	ENTR6003	Entrepreneurship I	2	
	LANG6061	Indonesian	1	
	HTMN6045	Introduction to Pastry and Bakery*	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	MGMT6298	Human Resources Management in Hospitality*	2	
	HTMN6006	Rooms Division Operation*	4	
	HTMN6018	Consumer Behavior in Hospitality*	2	
	HTMN6046	Authentic Indonesian Cuisine*	2/4	
	HTMN6012	Food Nutrition	2	
	HTMN6047	Advance in Pastry and Bakery **&***	4	
	Elective Course***			
	LANG6016	French Language I	2	
	CHIN6061	Chinese Language I	2	
4	CHAR6015	Character Building: Agama	2	24
	FINC6143	Financial Management in Hospitality*	2	
	ENTR6004	Entrepreneurship II	2	
	HTMN6048	Western and French Cuisine*	2/4	
	HTMN6049	Restaurant Service*	4	
	HTMN6027	Service Management*	4	
	Elective Course***			
	LANG6098	French Language II	4	
	CHIN6120	Chinese Language II	4	
5	Enrichment Program I		15	15
6	HTMN6025	Research Methodology in Hospitality*	2/2	20
	MGMT6304	Organization Behavior in Hospitality*	2	
	HTMN6029	Hotel Operations Supervisory*&***	4	
	HTMN6030	Facility Management in Hospitality*	4	
	MGMT6305	Strategic Management in Hospitality*	2	
	HTMN6050	Culinary Business Event*	2/2	
7	Enrichment Program II		16	16
8	HTMN6031	Final Project	6	6
			TOTAL CREDITS 146 SCU	

*) This course is delivered in English

**) Entrepreneurship Embedded

***) Elective Courses:

- Student required to choose 2 credits from elective courses in semester 3
- Student chooses elective courses in semester 4, same with foreign language courses taken in semester 3

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (5th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v								v			
3	v										v	
4			v				v					
5					v		v					

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
HTMN6058	Hospitality Work Placement	8	
HTMN6059	Culinary Preparation	4	
HTMN6060	EES in Culinary Industry	3	
Enrichment Program II			16
HTMN6061	Hospitality Apprenticeship	8	
HTMN6062	Culinary Production	4	
HTMN6063	EES in Hospitality Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6465	Business Start Up in Hospitality	8	
ENTR6466	Business Model & Validation for Hospitality	2	
ENTR6467	Launching New Hospitality Venture	2	
ENTR6468	EES in New Hospitality Business	3	
Enrichment Program II			16
ENTR6465	Business Start Up in Hospitality	8	
ENTR6466	Business Model & Validation for Hospitality	2	
ENTR6467	Launching New Hospitality Venture	2	
ENTR6469	EES in New Hospitality Business	4	

Enrichment Study Abroad Track

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	

Code	Course Name	SCU	Total
GLOB6012	Elective Course for Study Abroad 8	2	16
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	HTMN6003	Workplace, Hygiene, Safety and Security for Hospitality*	C
4.	HTMN6006	Rooms Division Operation*	C
5.	HTMN6018	Consumer Behavior in Hospitality	C
6.	HTMN6008	Kitchen Operation	C
7.	HTMN6050	Culinary Business Event*	C
8.	HTMN6048	Western and French Cuisine	C

*) Tutorial & Multipaper

Marketing Communication

Introduction

Marketing Communication Program is an interdisciplinary major that combines theories and concepts of Communication Science and Public Relations. Marketing Communication Program has two concentrations, i.e. Corporate Communication and Brand Communication. Both concentrations emphasize on developing communication skills using conventional and digital media, and the ability to design strategic communication plan for various stakeholders. Corporate Communication focuses on designing strategic communication plan to build and maintain good and mutual relationship with company's internal and external public through diverse public relations tools, such as news releases and publications, social media, corporate events, corporate social responsibility activities, etc. Brand Communication focuses on designing strategic plan to communicate brands credibly to the related target audience, such as existing and potential customers, media, industrial associations, government-related parties, etc.

All concentrations offer advanced ICT and globally minded approach as the characteristic of BINUS UNIVERSITY. Not only our curriculum is up-to-date with industrial needs, but it also complies with the national standard of curriculum. Our curriculum consists of three-years study on-campus, and one-year enrichment program. During their four-years of study, students will be able to acquire professional, as well as international experiences.

Vision

A leading Communication Program creating professionals with integrity, creative, open-minded, and digitally savvy.

Mission

The mission of Communication Program is to contribute to the global community through the provision of world-class education by:

1. Recognizing, nurturing and rewarding the most creative and value adding talents, both lecturers and students.
2. Educating students in the fundamental skills, knowledge, research and practice of communication science, by providing high quality and up-to-date teaching and learning experiences; and prepare them to continue their advanced studies.
3. Conducting research and professional services in communication field for society development.
4. Preparing students for strategic positions in communication field as public relations professionals in the challenging global world.
5. Improving the quality of life of the global community through research and community development activities.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of theoretical knowledge in communication to be implemented in research and community development.
2. To prepare students with organizational and business knowledge in order to become successful professionals in public relations.
3. To equip students with applied communication and entrepreneurial skills through enrichment programs to face the challenging global world.

Student Outcomes

After completing the study, graduates are:

1. Able to analyse cases in communication in order to provide a solution with the communication science approach.
2. Able to conduct communications research by implementing the theories and concepts of communication science.
3. Able to design solutions in communication science approach in order to deal with crisis communication both internally, externally, or community using a various media.
4. Able to demonstrate professional ethics of communication which are appropriate with the context and relevant purpose.
5. Able to write ethically to different level of societies using both, conventional and digital media.
6. Able to conduct professional communication to build and maintain relationships with stakeholders using relevant channel.
7. Able to recognize and seize business opportunities in communication field.
8. Able to develop strategic plan to communicate brand to target market using various media platforms.
9. Able to develop strategic corporate communication plan to stakeholders using relevant channel.

Prospective Career of the Graduates

Marketing Communication Program offers extensive industrial fields with prospective careers such as:

- Corporate Communication: Public Relations Professionals, Corporate Communication Specialists, Media Campaign Specialists, Investor Relations Professionals, Industrial Relations Professionals, Corporate Secretary for Public-Listed companies, Government Relations Specialists, etc.
- Brand Communication: Branding Consultant Specialists, Social Media Specialists, Professional Event Organizers, Community Relations Specialists, etc.

Curriculum

Marketing Communication Program consists of 146 credits, divided into 8 semesters. Our 3+1 curriculum provides three-years of study on campus which will strengthen students' academic qualities. Meanwhile, the one-year enrichment program of professional/international experience will fortify students' soft-skills. In order to ensure the quality of our graduates, we collaborate with various national and international industries, HEI, government and non-profit organizations through guest lecturing/sharing sessions/seminars, Global Learning System (GLS), joint projects, field trips, etc. Our teaching and learning process are also supported by a modern public relations laboratory, television and radio broadcasting laboratory. All laboratories are available in Kemanggisan and Alam Sutera campus.

Course Structure

Sem	Code	Course Name	SCU	Total
1	COMM6100	Introduction to Communication Science	4	20
	COMM6383	Philosophy and Ethics of Communication	2	
	COMM6386	Writing Fundamentals	4	
	COMM6389	Public Speaking*	4	
	LANG6030	Indonesian	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	20
	COMM6012	Theory of Communication	4	
	COMM6382	Introduction to Sociology*	2	
	COMM6384	Introduction to Politics*	2	
	COMM6385	Interpersonal Communication*	4	
	COMM8108	Psychology of Communication*	2	
	COMP6177	Computer laboratory in Communication Context	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	STAT6080	Statistics in Communication Context	4	
	COMM6099	Intercultural Communication* ^{&***}	4	

Sem	Code	Course Name	SCU	Total
3	COMM6157	Introduction to Public Relations* ^{&***}	2	24
	COMM6014	Theory of Mass Communications	4	
	CHIN6095	Chinese Language in Marketing Communication	4	
	COMM6388	Contemporary Writing**	2	
	ENTR6003	Entrepreneurship I	2	
4	CHAR6015	Character Building: Agama	2	24/22
	COMM6129	Organizational Communication* ^{&***}	4	
	COMM6387	Social Design Thinking	4	
	COMM6019	Public Opinion* ^{&***}	2	
	COMM6424	Media Campaign & Monitoring* ^{&***}	2/2	
	COMM6425	Event Management* ^{&***}	2	
	Stream : Corporate Communication			
	COMM6426	Narrative Development**	2/2	
	COMM6427	Strategic Public Relations* ^{&***}	2	
	Stream : Brand Communication			
	COMM6428	Strategic Brand Management* ^{&***}	2	
	COMM6429	Public Relations Management*	2	
5	RSCH6008	Quantitative and Qualitative Research Methods in Communication Context	4	20/22
	ENTR6004	Entrepreneurship II	2	
	COMM6390	Workplace Ethics and Behavior* ^{&***}	2/2	
	COMM6430	Digital Public Relations* ^{&***&***}	2/2	
	Stream : Corporate Communication			
	COMM6431	Crisis and Reputation Management*	4	
	COMM6432	Communication & Public Affairs*	2	
	Stream : Brand Communication			
	COMM6433	Writing for Branding**	2	
	COMM6434	Integrated Marketing Communication*	2/2	
	COMM6435	Global Consumer Behavior*	2	
6	Stream : Corporate Communication			16
	Enrichment Program I		16	
	Stream : Brand Communication			
7	Enrichment Program I		16	16
	Stream : Corporate Communication			
	Enrichment Program II		16	

Sem	Code	Course Name	SCU	Total
8	Stream : Corporate Communication			6
	COMM6436	Thesis Corporate Communication	6	
	Stream : Brand Communication			
	COMM6437	Thesis Brand Communication	6	
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	
6		v					v					
7			v				v					
8				v			v					
9					v		v					
10						v	v					
11						v			v			

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
Stream : Corporate Communication			
COMM6440	Corporate Communication in Industrial Practices	8	
COMM6441	Corporate Campaign in Industry	2	
COMM6139	Communication Strategy in Industry	2	
COMM6133	EES in Industrial Practices	4	
Stream : Brand Communication			
COMM6442	Brand Communication in Industrial Practices	8	
COMM6443	Brand Campaign in Industry	2	
COMM6139	Communication Strategy in Industry	2	
COMM6133	EES in Industrial Practices	4	
Enrichment Program II			16
Stream : Corporate Communication			
COMM6444	Corporate Communication in Professional Practices	8	
COMM6140	Corporate Campaign in Industry	2	
COMM6141	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	
Stream : Brand Communication			
COMM6445	Brand Communication in Professional Practices	8	
COMM6148	Branding Strategy in Industry	2	
COMM6141	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6298	Business Start Up	8	
ENTR6182	Business Model and Validation in Communication Field	2	
ENTR6183	Launching New Venture in Communication Field	2	
ENTR6184	EES in New Communication Business	4	
Enrichment Program II			16
ENTR6298	Business Start Up	8	
ENTR6182	Business Model and Validation in Communication Field	2	
ENTR6183	Launching New Venture in Communication Field	2	
ENTR6184	EES in New Communication Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6230	Research Experience	8	
RSCH6137	Scientific Writing for Communication Research	4	
RSCH6138	Global EES in Communication Research	4	
Enrichment Program II			16
RSCH6230	Research Experience	8	
RSCH6137	Scientific Writing for Communication Research	4	
RSCH6138	Global EES in Communication Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6132	Community Outreach Project Implementation	8	
CMDV6057	Community Outreach Project Design in Communication Context	4	
CMDV6058	Employability and Entrepreneurial Skills in Communication Context	4	
Enrichment Program II			16
CMDV6132	Community Outreach Project Implementation	8	
CMDV6057	Community Outreach Project Design in Communication Context	4	
CMDV6058	Employability and Entrepreneurial Skills in Communication Context	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
Elective courses list for study abroad*			16
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

Code	Course Name	SCU	Total
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMM6389	Public Speaking	B
4.	COMM6012	Theory of Communication*	B
5.	COMM6388	Contemporary Writing*	B
6.	COMM6390	Workplace Ethics and Behavior	B
7.	COMM6424	Media Campaign & Monitoring	B
Stream : Corporate Communication			
8.	COMM6427	Strategic Public Relations*	B
Stream : Brand Communication			
8.	COMM6428	Strategic Brand Management*	B

*) Tutorial & Multipaper

Mass Communication

Introduction

Mass Communication Program is an interdisciplinary major that combines theories and concepts of Communication Science and Broadcasting. Mass Communication Program has two concentrations, i.e. Journalism Broadcasting and Creative Broadcasting. Both concentrations offer knowledge and skills related to the overall broadcasting program production process, from pre-production to post-production, in television, radio and digital media. Journalism Broadcasting emphasizes on creating news-related broadcasting program, meanwhile Creative Broadcasting focuses on producing creative program of broadcasting, such as drama, game show, music, infotainment, etc.

All concentrations offer advanced ICT and globally minded approach as the characteristic of BINUS UNIVERSITY. Not only our curriculum is up-to-date with industrial needs, but it also complies with the national standard of

curriculum. Our curriculum consists of three-years study on-campus, and one-year enrichment program. During their four-years of study, students will be able to acquire professional, as well as international experiences.

Vision

A leading Communication Program creating professionals with integrity, creative, open-minded, and digitally savvy.

Mission

The mission of Communication Program is to contribute to the global community through the provision of world-class education by:

1. Recognizing, nurturing and rewarding the most creative and value adding talents, both lecturers and students.
2. Educating students in the fundamental skills, knowledge, research and practice of communication science, by providing high quality and up-to-date teaching and learning experiences; and prepare them to continue their advance studies.
3. Conducting research and professional services in communication field for society development.
4. Preparing students for strategic positions in communication field as professionals in public relations or broadcasting in a challenging global world.
5. Improving the quality of life of the global community through research and community development activities.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of theoretical knowledge in communication to be implemented in research and community development.
2. To prepare students with organizational and business knowledge in order to become successful professionals in broadcasting.
3. To equip students with applied communication and entrepreneurial skills through enrichment programs to face the challenging global world.

Student Outcomes

After completing the study, graduates are:

1. Able to analyse cases in communication in order to provide a solution with the communication science approach.
2. Able to conduct communications research by implementing the theories and concepts of communication science.
3. Able to design solutions in communication science approach in order to deal with crisis communication both internally, externally, or community using a various media.
4. Able to demonstrate professional ethics of communication that appropriate with the context and relevant purposes.
5. Able to write ethically to different level of societies using both, conventional and digital media.
6. Able to conduct professional communication to build and maintain relationships with stakeholders using relevant channel.
7. Able to recognize and seize business opportunities in communication field.
8. Able to produce ethical news program for multi-platform media.
9. Able to produce ethical creative program for multi-platform media.

Prospective Career of the Graduates

Both concentrations in Mass Communication Program offer diverse prospective career in broadcasting industries, such as Producer of TV/Radio, Radio Announcer, Radio Station Consultant, TV Presenter, TV/Radio Reporter, Digital Media Specialist, Multimedia Specialist, Professional Content Creator, etc.

Curriculum

Mass Communication Program consists of 146 credits, divided into 8 semesters. Our 3+1 curriculum provides three-years of study on campus which will strengthen students' academic qualities. Meanwhile, the one-year enrichment program of professional/international experience will fortify students' soft-skills. In order to ensure the quality of our graduates, we collaborate with various national and international industries, HEI, government and non-profit organizations through guest lecturing/sharing sessions/seminars, Global Learning System (GLS), joint projects, field trips, etc. Our teaching and learning process are also supported by a modern public relations laboratory, television and radio broadcasting laboratory. All laboratories are available in Kemanggisan and Alam Sutera campus.

Course Structure

Sem	Code	Course Name	SCU	Total
1	COMM6100	Introduction to Communication Science	4	20
	COMM6383	Philosophy and Ethics of Communication	2	
	LANG6030	Indonesian	4	
	COMM6386	Writing Fundamentals	4	
	COMM6389	Public Speaking*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	20
	COMM6012	Theory of Communication	4	
	COMM6382	Introduction to Sociology*	2	
	COMM6384	Introduction to Politics*	2	
	COMM6385	Interpersonal Communication*	4	
	COMM8108	Psychology of Communication*	2	
	COMP6177	Computer Laboratory in Communication Context	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	COMM6388	Contemporary Writing**	2	
	CHIN6096	Chinese Language in Mass Communication	4	
	ENTR6003	Entrepreneurship I	2	
	STAT6080	Statistics in Communication Context	4	
	COMM6099	Intercultural Communication*&***	4	
	COMM6402	Introduction to Multimedia*	2	
	COMM6014	Theory of Mass Communications	4	

Sem	Code	Course Name	SCU	Total
4	CHAR6015	Character Building: Agama	2	22
	COMM6129	Organizational Communication*&***	4	
	COMM6387	Social Design Thinking	4	
	COMM6019	Public Opinion*&***	2	
	COMM8082	Media Convergence*&***	2	
	Stream : Journalism Broadcasting			
	COMM6403	Reportage & Interview Technique*	2	
	COMM6404	Script Writing for News**&****	2	
	COMM6405	Directing for Journalism Broadcasting	2/2	
	Stream : Creative Broadcasting			
	COMM6406	The Principles of Creative Program*	2	
	COMM6407	Script Writing for Creative Program**&****	2	
	COMM6408	Directing for Creative Broadcasting	2/2	
5	RSCH6008	Quantitative and Qualitative Research Methods in Communication Context	4	22
	ENTR6004	Entrepreneurship II	2	
	COMM6390	Workplace Ethics and Behavior*&***	2/2	
	COMM6409	Editing for Multimedia	2/2	
	COMM6410	Digital Broadcasting Program*&***	2	
	COMM6411	Media Promotion & Marketing in Multimedia*&***	2	
	Stream : Journalism Broadcasting			
	COMM6412	News Production***	2/2	
	Stream : Creative Broadcasting			
	COMM6413	Drama & Non Drama Production***	2/2	
6	Stream : Journalism Broadcasting			16
	Enrichment Program I		16	
	Stream : Creative Broadcasting			
	Enrichment Program I		16	
7	Stream : Journalism Broadcasting			16
	Enrichment Program II		16	
	Stream : Creative Broadcasting			
	Enrichment Program II		16	
8	Stream : Journalism Broadcasting			6
	COMM6414	Thesis Journalism Broadcasting	6	
	Stream : Creative Broadcasting			
	COMM6415	Thesis Creative Broadcasting	6	
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	
6		v					v					
7			v				v					
8				v			v					
9					v		v					
10						v	v					
11						v			v			

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Enrichment Enrichment Track			
Code	Course Name	SCU	Total
Enrichment Program I			16
Stream : Journalism Broadcasting			
COMM6416	Journalism Broadcasting in Industrial Practices	8	
COMM6417	Journalism Broadcasting Programming in Industry	2	
COMM6132	News Production in Industry	2	
COMM6133	EES in Industrial Practices	4	

Code	Course Name	SCU	Total
Stream : Creative Broadcasting			16
COMM6418	Creative Broadcasting In Industrial Practices	8	
COMM6419	Creative Broadcasting Programming in Industry	2	
COMM6420	Creative Broadcasting Production in Industry	2	
COMM6133	EES in Industrial Practices	4	
Enrichment Program II			16
Stream : Journalism Broadcasting			
COMM6421	Journalism Broadcasting in Professional Practices	8	
COMM6448	News Magazine Production in Industry	2	
COMM6135	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	
Stream : Creative Broadcasting			
COMM6422	Digital Creative In Professional Practices	8	
COMM6423	Creative Magazine Production in Industry	2	
COMM6146	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6298	Business Start Up	8	
ENTR6182	Business Model and Validation in Communication Field	2	
ENTR6183	Launching New Venture in Communication Field	2	
ENTR6184	EES in New Communication Business	4	
Enrichment Program II			16
ENTR6298	Business Start Up	8	
ENTR6182	Business Model and Validation in Communication Field	2	
ENTR6183	Launching New Venture in Communication Field	2	
ENTR6184	EES in New Communication Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6230	Research Experience	8	
RSCH6137	Scientific Writing for Communication Research	4	
RSCH6138	Global EES in Communication Research	4	

Code	Course Name	SCU	Total
Enrichment Program II			16
RSCH6230	Research Experience	8	
RSCH6137	Scientific Writing for Communication Research	4	
RSCH6138	Global EES in Communication Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6132	Community Outreach Project Implementation	8	
CMDV6057	Community Outreach Project Design in Communication Context	4	
CMDV6058	Employability and Entrepreneurial Skills in Communication Context	4	
Enrichment Program II			16
CMDV6132	Community Outreach Project Implementation	8	
CMDV6057	Community Outreach Project Design in Communication Context	4	
CMDV6058	Employability and Entrepreneurial Skills in Communication Context	4	

Enrichment Study Abroad Track*

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			16
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	

Code	Course Name	SCU	Total
GLOB6009	Elective Course for Study Abroad 5	2	16
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	COMM6389	Public Speaking	B
4.	COMM6012	Theory of Communication*	B
5.	COMM6388	Contemporary Writing*	B
6.	COMM6390	Workplace Ethics and Behavior	B
Stream: Journalism Broadcasting			
7.	COMM6404	Script Writing for News*	B
8.	COMM6405	Directing for Journalism Broadcasting	B
Stream: Creative Broadcasting			
7.	COMM6407	Script Writing for Creative Program*	B
8.	COMM6408	Directing for Creative Broadcasting	B

*) Tutorial & Multipaper

Tourism

Introduction

Bachelor program in Tourism BINUS UNIVERSITY aims to offer an academic education with entrepreneurial and managerial skills for a successful career in the global tourism and travel industry. The program creates leaders as tourism expertise and professional with the innovative and creative entrepreneurial skill. This program also provides the comprehensive skills in operational, managerial and entrepreneurial know-how as well as valuable knowledge for Tour Planning, Tourism Management, Accounting and Finance, and Tourism Planning. This program is a 3+1 program with meaning student will gain insight of tourism industry through one (1) year of industry work experience in the tourism and travel industry and a project for creating their own concept/business for tourism attraction or tour & travel. To create an international flavor, this exclusive and progressive program is conducted in English for tourism core subject in teaching and learning activities. The curriculum has been reinforced with international and local contents to fully equip graduates for creating tourism attraction as a tourism entrepreneur, managing concept and operational as tourism professional in the global tourism industry. The program is a flagship program that provides benefits in the field of theoretical and practical knowledge of tourism as a science.

Vision

Tourism Destination Management BINUS UNIVERSITY is committed to the vision of making TDM BINUS UNIVERSITY to be best program in ASEAN in 2020 through education and training of internationally competitive managers whose skills will promote, encourage and foster regional economic development.

Mission

The mission of Tourism Department is to contribute to the global community through the provision of world-class education by:

1. Educating students with a thorough competency in tourism destination business, functional and managerial skills, as well as to encourage potential students to become entrepreneurs, by providing an innovative and creative education, supported with tourism industry related work experience;
2. Educating students to become tourism leaders in a diverse work environment and to prepare them for further advance studies;
3. Providing professional training and consulting services in technical and managerial skills for all levels of tourism organizations, both locally and internationally;
4. Improving the standards of living for Indonesians by providing community development programs and services in the tourism business and entrepreneurial sector;
5. Retaining and acknowledging hospitality talents through research and benchmarking which in turn will enhance the competitive advantage of the Indonesian tourism industry in South East Asia.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of knowledge and understanding about tourism and professional interpersonal skill;
2. To provide students with professional expertise in the tourism destination and tourism business field that can be applied for the community development program and training services in a hospitality organization;
3. To provide students with management skills through research and work experiences, thereby empowering them to become leaders in a diverse range of hospitality business in South East Asia.

Student Outcomes

At the end of the program, graduates will be able to:

1. Able to analyze the needs of planning, development components of destinations and tourism businesses by considering literacy, regulations, policies, resources and ipoleksosbudhankam to the tourist attraction;
2. Able to design, develop and promote tourism destination components (access, amenity, and attractions) that sustainable and affect the improvement of societies' prosperity and environment;
3. Able to propose alternatives of designed destinations and tourism businesses as solutions to the problems related to destinations tourism by considering literacy, regulations, policies, resources and politics, economics, socials, cultures, defenses, and securities of tourism attraction;
4. Able to manage tourism products based on the related regulations and policies;
5. Able to evaluate tourism destination to ensure the sustainable tourism by considering related regulations, policies, resources, and facilities;

6. Able to design regulation by considering the sustainable tourism that impacted to societies' prosperity and environment;
7. Able to design innovative and economically and sustainably value-added tourism products;
8. Able to start a new business on tourism fields;
9. Able to utilize information and communication technology in order to design, develop, manage and promote tourism products.

Prospective Career of the Graduates

Graduates will be able to pursue international career paths on every segment of tourism industry at managerial levels worldwide. The managerial positions open for the Tourism destination graduates are varied and limitless. With a tourism qualification, a graduate can choose from a wide range of careers. The career options are to be:

- | | |
|--|---|
| 1. Tour & travel Entrepreneur | 8. Human Resources Department at Hotel and tourism industry |
| 2. Entrepreneur in tourism and hospitality industry | |
| 3. Managers/staff tourism attraction or resort | 9. Tourism Marketing at tourism industry |
| 4. Events Coordinator, staff/Manager at Events organizer | 10. Banquet, sales and marketing at resortbusiness |
| 5. Staff at the Indonesia tourism office | 11. Corporate Hospitality Supervisor |
| 6. Stewardess/steward/operational staff at airlines industry | 12. Researcher in tourism issues |
| 7. Operational staff at cruise line | 13. Travel writer |
| | 14. Consultant for tourism and hospitality industry |
| | 15. Lecturer for tourism institution |

Curriculum

Tourism Program curriculum is designed to meet the industry needs that cover skills, knowledge, and attitude required for pursuing a management career and entrepreneurial skill in the tourism industry. The Curriculum of tourism program divided into 3 core subjects' area:

1. **Tourism Innovation and Entrepreneurship:** Travel Industry Management, Introduction to Indonesian Thematic Tourism, Strategic Entrepreneurship and Tourism Innovation, Principles of Tourism Accounting and Finance, Tourism Economics, Marketing in Tourism, Strategic Management for Tourism, E-Business and Digital Media for Tourism, Transportation management.
2. **Tourism Planning and Design:** Tourism Law and Regulation, Research Method and Statistics, Ecotourism and Sustainable Development, Facilities Design for Tourism Destination, Principles of Tourism, Leisure and Recreation, Tourism Geography, Tourism Philosophy, Strategic Issues and Fundamental of Tourism, Tourism Destination and Planning Management.
3. **Tourism Management and Hospitality:** English for Tourism, International Tourism, Event Management, Hotel Management, Intercultural Communication and Service Excellence, Organizational Behavior in Tourism, Human Resource Management for Tourism and Service Sector, Indonesian Culture, History and Heritage.

Course Structure

Sem	Code	Course Name	SCU	Total
1	TRSM6132	Principles of Tourism, Leisure and Recreation*&***	4	20
	TRSM6133	Tourism Geography*	4	
	TRSM6137	Indonesian Culture, History and Heritage*&***	4	
	TRSM6159	Anthropology of Travel and Tourism*	2	
	TRSM6160	Tourism Transportation*&***	2	
	LANG6028	Indonesian	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	20
	TRSM6140	Tourism Law and Regulation**	2	
	ECON6086	Tourism Economics**	4	
	TRSM6180	Hospitality Knowledge*&***	4	
	STAT6081	Statistics	2	
	MKTG6246	Tourism Marketing*	4	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	ACCT6177	Principles of Tourism Accounting and Finance	4	
	ENTR6003	Entrepreneurship I	2	
	RSCH6411	Research Methodology in Tourism	4	
	TRSM6181	Tourism Heritage*&***	2	
	TRSM6143	Ecotourism and Sustainable Development*	4	
	TRSM6182	Digital Media for Tourism	4	
4	CHAR6015	Character Building: Agama	2	22
	MGMT6165	Human Resource Management for Tourism and Service Sector*	2	
	TRSM6141	Tourism Destination and Planning Management*&***	4	
	TRSM6183	Travel Behaviour*	2	
	TRSM6184	Travel Industry*&***	4	
	TRSM6185	Tourism Innovation and Product Development***	4	
	BUSS6137	Tourism E-Business	4	
5	TRSM6142	Event Management*&***	4	24
	TRSM6144	Facilities Design For Tourism Destination*&***	4	
	ENTR6004	Entrepreneurship II	2	
	MGMT6312	Strategic Management for Tourism*	4	
	TRSM6186	Tourism Feasibility Study***	4	
	TRSM6187	Tourism Community Empowerment*	4	
	TRSM6188	Thematic Tourism*	2	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	TRSM6151	Thesis	6	6
			TOTAL CREDITS 146 SCU	

*) This course is delivered in English

***) Entrepreneurship Embedded

***) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2		v					v					
3			v				v					
4				v			v					
5					v		v					
6	v							v				
7		v						v				
8			v					v				
9				v				v				
10					v			v				
11	v								v			
12		v							v			
13			v						v			
14				v					v			
15					v				v			
16	v									v		
17		v								v		
18			v							v		
19				v						v		
20					v					v		
21	v										v	
22		v									v	
23			v								v	
24				v							v	
25					v						v	

Notes:

IN : Internship CD : Community Development
 RS : Research SA : Study Abroad
 EN : Entrepreneurship etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
TRSM6145	Industrial Experience in Tourism	8	
TRSM6146	Industrial Experience Report in Tourism	4	
TRSM6147	Industrial Experience Seminar in Tourism	4	
Enrichment Program II			16
TRSM6148	Professional Experience in Tourism	8	
TRSM6149	Professional Experience Report in Tourism	4	
TRSM6150	Professional Experience Seminar in Tourism	4	

Enrichment Entrepreneurship Track

Enrichment Entrepreneurship Track			
Code	Course Name	SCU	Total
Enrichment Program I: (For students who only take Entrepreneurship track in semester 6, should take these courses)			16
ENTR6174	Business Start Up in Tourism	8	
ENTR6175	Business Model & Validation in Tourism	2	
ENTR6176	Launching New Venture in Tourism	2	
ENTR6177	EES in Tourism New Business	4	
For students who take Entrepreneurship track in semester 6 and 7, should take these courses:			
Enrichment Program I			
ENTR6174	Business Start Up in Tourism	8	
ENTR6175	Business Model & Validation in Tourism	2	
ENTR6176	Launching New Venture in Tourism	2	
ENTR6177	EES in Tourism New Business	4	
Enrichment Program II			16
ENTR6178	Growing a Business in Tourism	8	
ENTR6179	Lean Start Up & Business Plan in Tourism	2	
ENTR6180	Venture Capital in Tourism	2	
ENTR6181	EES in Tourism Business Experience	4	
For students who only take Entrepreneurship track in semester 7, should take these courses:			
Enrichment Program II			
ENTR6174	Business Start Up in Tourism	8	
ENTR6175	Business Model & Validation in Tourism	2	
ENTR6176	Launching New Venture in Tourism	2	
ENTR6177	EES in Tourism New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6361	Research Design in Tourism	8	
RSCH6362	Academic Writing in Tourism	4	
RSCH6363	Global EES (Team Work, Communication, Problem Solving & Decision Making) in Tourism	4	
Enrichment Program II			16
RSCH6134	Research Experience in Tourism	8	
RSCH6135	Scientific Writing in Tourism	4	
RSCH6364	Global EES (Self-Management, Planning & Organizing, Initiative & Enterprise) in Tourism	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6051	Community Development Design in Tourism	8	
CMDV6052	Community Development Ideas Generation in Tourism	4	
CMDV6053	Employability and Entrepreneurial Skills in Tourism	4	
Enrichment Program II			16
CMDV6054	Community Development Project Implementation in Tourism	8	
CMDV6055	Community Development Project Evaluation in Tourism	4	
CMDV6056	Employability and Entrepreneurial Skills in Tourism	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
Enrichment Program I			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

Code	Course Name	SCU	Total
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	TRSM6132	Principles of Tourism, Leisure and Recreation*	C
4.	TRSM6184	Travel Industry	C
5.	MKTG6246	Tourism Marketing*	C
6.	TRSM6144	Facilities Design for Tourism Destination	C
7.	TRSM6143	Ecotourism and Sustainable Development*	C
8.	BUSS6137	Tourism E-Business	C

*) Tutorial & Multipaper

2.2.5 Faculty of Engineering

Globalization and competitiveness have created a rapidly growing field in Engineering. The prevailing creative application of scientific principles is to design or develop systems, structures, or machines utilizing them singly or in a combination of diverse engineering disciplines. Globalization has shifted the era into high concentration on optimized innovative solutions viewable from many angles, such as design, quality, and cost. Therefore, the contemporary Engineering embraces a range of scientific discipline that facilitates engineers to create and innovate at the same pace with the world's need.

BINUS UNIVERSITY has well prepared its engineers to answer the critical needs of world-class organizations. Under the Faculty of Engineering, a wide range of engineering disciplines is offered, namely Architecture, Civil Engineering, Computer Engineering, Industrial Engineering, Food Technology and Professional Program of Engineer. By taking into account the needs of the world-class organizations as the priority, the curricula are designed in such a way to not only meet the needs for global competitiveness but also to allow students to accomplish their ultimate goal of on-time graduation. Academic advising and mentoring programs are few to mention facilities available for students in enriching and improving their academic performance.

Maintaining positive communication with instructors and the respective Head of Department intensify students' motivation the best. Any conducive feedback to the related department is greatly welcomed as a form of support towards sustainability of the constituents, as well as the local and global communities.

Architecture

Introduction

The Architecture study program at BINUS UNIVERSITY has taken the steps to design the curriculum in order to anticipate the developments of information technology in the global era and to fulfill market demand.

The subjects of the core curriculum are based on several competencies such as: Personal Development, Science and Skills, Working Expertise, Working Behavior, and Community Involvement. The required minimum credits that have to be taken are 146 credits. This curriculum will allow the opportunity to increase the knowledge and technology in architecture, to provide knowledge for those who want to be an entrepreneur in architectural work, and to pursue professional education or further studies in the master program (S2) and doctorate program (S3).

The Architecture study program focuses on delivering graduates of architecture who are ready to work, and are innovative since they are comprehensively educated with an integrated environmental concept and strong cultural values. Furthermore, mastery in information technology becomes a value-added as a graduate of Architecture of BINUS UNIVERSITY.

Vision

To become a world class architecture department in continuous pursuit of innovation and enterprise based on IT.

Mission

The mission of Architecture Department is to contribute to the global community through the provision of world-class education by:

1. Educating students in ICT based on creative and innovative design skills that help to improve the quality of life.
2. Educating students through cases on building environment, highlighting professional services and entrepreneurial skills.
3. Conducting research and improving student's research experience in sustainable building environment and local values.

Program Objective

The objectives of the program are:

1. To provide students with the ability to produce an integrated building environment design using creative, innovative and ICT based solutions that help to improve quality of life.
2. To conduct research that focuses on sustainable building environment and local values.
3. To prepare students with knowledge of the professional ethics of an Architectural Entrepreneur.

Student Outcomes

After completing the study, graduates are:

1. Able to develop a design concept that integrates research; which in particular are human behavior, environment, technical aspect and local values; with architectural design.
2. Able to do architectural design independently with research-based methods, and produce a creative architectural design which the solution on the contextual culture problem and which has been analysed based on the principles of architectural design.
3. Able to communicate their ideas and design in the form at graphics, narration and model comprehensively both in manual and digital techniques.
4. Able to present alternative design solutions and determine the decision based on architectural design principles.
5. Able to harness their design capability to do a supervision of a building environmental development
6. Able to develop students with ethical and aesthetic behavior, adaptive and appreciative.
7. Able to produce a creative, innovative and humane architectural principles, local values and urban architecture.
8. Able to design the architecture of the digital enrichment architecture integrated art, science, and technology based on information and communication technology (ICT).
9. Able to design the architecture of the real estate enrichment integrated art, science, and technology based on information and communication technology (ICT).
10. Able to design the architecture of the interior enrichment integrated art, science, and technology based on information and communication technology (ICT).

Prospective Career of the Graduates

The graduate of the architecture program will have sufficient knowledge of Planning, Programming, and Designing, Building Technology, Project Management, Property Management, Interior Design and mastery of Information Technology.

Therefore, the graduate of Architecture has the choice of a wide range of professions that include:

- | | |
|---|---|
| 1. Consultancy | : Architect |
| 2. Construction | : Engineer, contractor |
| 3. Construction Management | : Construction Manager |
| 4. Banking | : Credit Analyst (Appraisal) |
| 5. Property | : Building Manager, Marketing, Real Estate Manager. |
| 6. Interior | : Interior Designer |
| 7. Development | : Planner, Urban Designer, Developer |
| 8. Information Technology | : 3D Animator |
| 9. Research | : Researcher |
| 10. Media (Printed or Electronic media) | : Architecture Journalist, Writer, Editor. |
| 11. Independent Business | : Freelance Architect |
| 12. Education | : Lecturer and Instructor |

Curriculum

Famous for its reputation in Information Technology, BINUS UNIVERSITY has developed its expertise in the field of architecture that has orientation in computing or ICT either in design processing or in building operations. Architecture Department of BINUS UNIVERSITY updates with the development of information technology in architecture as today, the industry requires employees to have mastery in information technology. Based on these qualifications, the architecture study program focused on the implementation of information of technology in the architectural design as the core competency in which this core competency has to be mastered by every student. The curriculum also has enrichment program such as internship and industrial experience for each student. The curriculum is based on both the National Curriculum and Architecture Study Program Association. Additionally, in order to fulfill the requirement of housing facility and sustainable development, the Architecture Study Program at BINUS UNIVERSITY also include "sustainable human settlement" as a part of its curriculum. All of the curricula are supported by MCL (Multi Channel Learning) system namely BINUS Maya. It assists the students in the learning activity so that the students are able to study systematically integrated with BINUS Maya.

Elective Group

The objective of this group is to provide the students with the insight knowledge and skills required by business and industry. The materials for this group will always be updated in accordance with the latest market demands so that graduates are ready to participate in and face the competition of the job market. The elective group contains three concentration subjects (stream).

Concentration Subject (Stream)

1. **Digital Architecture** : This stream focuses on the insight of the ICT implementation on architectural design. The objective is to enable the students in integrating several architectural and simulation software in the architectural design that indeed the students will produce a variant architectural design that results from a quantified simulation studies.
2. **Interior Architecture**: The focus of this stream is to integrate a deep knowledge of interior aspect of architectural design that enables students to produce design based on behavior and character of user, completed with information technology, the visualization of the design will appear more creative and realistic.

3. **Real Estate:** This stream adds knowledge of economics as the modules. Therefore, the integration between architecture and the economic value enables students to produce creative and innovative design. The comprehensive teaching learning process enables students to understand various market demands.

All subjects of Architecture are distributed in 8 semesters. The concentration subjects (stream) are opened in the 4th Semester to 8th Semester.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	ARCH6001	Introduction to Architecture	2	
	ARCH6089	Aesthetics*	2	
	ARCH6015	Architectural Communication Technique	4	
	ARCH6018	Building Technology I	4	
	ARCH6042	Architectural Design I**&***	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	ARCH6019	Building Technology II*	4	
	ARCH6041	Design Methods*&***	2	
	ARCH6043	Architectural Design II*&***	4	
	ARCH6048	Traditional Architecture*	2	
	ARCH6086	Architectural Design Computing I*&***	4	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	ARCH6020	Building Technology III*	4	
	ARCH6044	Architectural Design III*&***	4	
	ARCH6047	Behavior in Architecture	2	
	ARCH6049	Modern Architecture*	2	
	ENTR6003	Entrepreneurship I	2	
	ARCH6017	Site Planning*&***	4	
	ARCH6087	Architectural Design Computing II*&***	4	
4	ARCH6050	Tropical Architecture**	2	22
	ARCH6052	Utility*	2	
	ARCH6004	City and Settlement	2	
	ARCH6021	Building Technology IV	4	
	ARCH6045	Architectural Design IV*&***	6	
	ARCH6096	Architectural Research Methods	2	

Sem	Code	Course Name	SCU	Total
4	Stream : Real Estate			22
	ARCH6009	Introduction to Real Estate*	2	
	ARCH6071	Property Assessment I***	2	
	Stream : Digital Architecture			
	DSGN6010	Architectural Photography***	2	
	ARCH6090	Architectural Geometry Design*&***	2	
	Stream : Interior Architecture			
	ARCH6054	Interior Design Principles	2	
5	ARCH6072	Building Material Knowledge*&***	2	20
	ENTR6004	Entrepreneurship II	2	
	ARCH6003	Building Physics*	2	
	ARCH6076	Project Management	2	
	ARCH6006	Seminar	2	
	ARCH6046	Architectural Design V**	6	
	ARCH6061	Sustainable Architecture*	2	
	Stream : Real Estate			
	ARCH6051	Urban Architecture*	2	
	ARCH6094	Property Assessment II***	2	
	Stream : Digital Architecture			
	ARCH6103	Architectural Design Computing III*,&***	4	
	Stream : Interior Architecture			
	ARCH6095	Acoustics and Lighting Design*&***	2	
	ARCH6067	Interior Installation	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	ARCH6039	Final Project	8	8
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

***) Entrepreneurship Embedded

**) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v									v		
4	v										v	
5	v								v			

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ARCH6091	Industry Experience	8	
ARCH6092	Integrated Architectural Design	4	
ARCH6085	Project Programme	3	
Enrichment Program II			16
ARCH6104	Internship	8	
ARCH6100	Advanced Integrated Architectural Design	4	
ARCH6093	Advanced Project Programme	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program II			16
ENTR6290	Business Start Up	8	
ENTR6197	Architectural Business Model & Validation	2	
ENTR6198	Launching New Venture Architectural Entrepreneurship	2	
ENTR6199	EES in New Architectural Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program II			16
RSCH6222	Research Experience	8	
RSCH6145	Architectural Scientific Writing	4	
RSCH6146	Global EES in Architecture	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program II			16
CMDV6122	Community Outreach Project Implementation	8	
CMDV6065	Community-Based Architecture	4	
CMDV6066	Employability and Entrepreneurial Skills in Architecture Community	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ARCH6042	Architectural Design I*	C
4.	ARCH6043	Architectural Design II*	C
5.	ARCH6044	Architectural Design III	C
6.	ARCH6017	Site Planning*	C
Stream: Real Estate			
7.	ARCH6009	Introduction to Real Estate	C
8.	ARCH6051	Urban Architecture	C
Stream: Interior Architecture			
7.	ARCH6054	Interior Design Principles	C
8.	ARCH6067	Interior Installation	C
Stream: Digital Architecture			
7.	ARCH6090	Architectural Geometry Design	C
8.	ARCH6103	Architectural Design Computing III	C

*) Tutorial & Multipaper

Civil Engineering

Introduction

Civil Engineering is a profession in which knowledge of mathematics and physical sciences are applied ranging from providing structures for the use of civilization to creating, improving, and protecting the environment, as well as providing facilities for transportation and industries. Civil engineers are involved in the planning, design, construction and operation of complex systems such as buildings and bridges, water purification and distribution systems, flood protection, highways, rapid transit and rail systems, harbors, airports, tunnels and underground construction, dams, and power generators. Civil engineers are also involved in city planning, water, air, and land remediation, as well as hazardous wastes and chemicals disposal.

Civil Engineering Program at Bina Nusantara University offers comprehensive programs leading to a bachelor degree in Civil Engineering.

Vision

The foremost Civil Engineering Department that is in continuous pursuit of innovation and enterprise is adaptable to global changes.

Mission

The mission of Civil Engineering Department is to contribute to the global community through the provision of world-class education by:

1. Educating students on sustainable infrastructure by providing knowledge in Civil Engineering and related disciplines, and to prepare them for their career advanced degrees.
2. Providing a solid learning and research experience that nurtures leaders with creative and value-adding talents for the global community.
3. Conducting professional services and improve the quality of life of Indonesians and the international community.

Program Objective

The objectives of the program are:

1. To continue updating their professional development in civil engineering related field to benefit the organization and society;
2. To utilize professional and ethical related skills to work productively within their professions and communities.

Student Outcomes

After completing the study, graduates:

1. Are able to apply knowledge of mathematics, science, and engineering.
2. Are able to design and conduct experiments, as well as to analyze and interpret data.
3. Are able to design a system, components, or process to meet desired needs.
4. Are able to function on multidisciplinary teams.
5. Are able to identify, formulate and solve engineering problems.
6. Have the understanding of professional and ethical responsibility.
7. Are able to communicate effectively.

8. Understands the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. Have the knowledge of contemporary issues.
11. Are able to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Prospective Career of the Graduates

Graduates of the Civil Engineering Program at Bina Nusantara University would be able to apply their knowledge and interpersonal skills in careers, both in private and public sectors, to conceive, plan, design, implement, operate and maintain the systems needed to support the physical infrastructure. Bina Nusantara University is committed to provide its undergraduate program with excellent academic preparation and interpersonal skills for direct entry into the profession, or post-graduate education.

Graduates will be able to pursue a variety of career options in worldwide locations due to demands for improvements to civil infrastructure that are ever-present, because of population growth and deterioration of existing systems over time. Several career options include, but not limited to, the following:

1. Structural Engineering: Project Civil Engineer, Precast Project Engineer, Civil Designer, Offshore Structure Engineer, Airfield Civil Engineer.
2. Hydrological and Environmental Engineering: Flood Mapping Services Manager, Water Resources Project Manager, Storm Water Management Engineer, Senior Municipal Engineer, Drainage Engineer.
3. Transportation and Traffic Engineering: Transportation Project Manager, Transportation Design Manager, Traffic Engineer.
4. Geotechnical Engineering: Geotechnical Engineering Manager, Reclamation Engineer, Soil Improvement Engineer.
5. Highway Engineering: Bridge Engineer, Highway Design Project Manager, Highway Project Engineer, Highway Construction Inspector.
6. Construction Management: Senior Project Manager, Lean/Process Engineer, Construction QC Manager.

Curriculum

Civil Engineering Program at Bina Nusantara University utilizes information technology as an integral part of the teaching and learning processes, particularly through MCL (Multi Channel Learning) using two delivery methods: Face to Face (F2F) in classrooms and Guided Self Learning Class (GSLC), which allow students to further their studies independently through all sources, whether from online reading or textbook. The Civil Engineering Program provides an integrated educational experience that combines theories with practical experience in laboratory experimentations, problems solving and engineering designs, as well as site visits.

The curriculum in the Civil Engineering Program provides students with a solid foundation in science, with introductory courses in all of the Civil Engineering technical areas. During their final year, students choose one of the following Civil Engineering emphasis areas:

- | | |
|---|-----------------------------|
| 1. Structural Engineering | 4. Geotechnical Engineering |
| 2. Hydrological and Environmental Engineering | 5. Highway Engineering |
| 3. Transportation and Traffic Engineering | 6. Construction Management |

As seniors, students receive an even more intense design experience, learning about alternative solution, feasibility, economics, and detailed design descriptions. The students also received additional knowledge from our Guest Lecturer in one subject (Case Study in Civil Engineering), which make use of English media (Lecturer Presentation, handbook, homework, and exams). They also receive General Lecture from national and international professionals (members of Associations, Industries, or Constructions). Students are also required to take courses in professionalism and engineering ethics. These courses will culminate in major engineering design experiences to bridge the gap between educational and professional practice.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	MATH6014	Calculus I	4	
	SCIE6004	Physics I	4	
	SCIE6014	Chemistry for Civil Engineering*	2	
	CIVL6072	Building Construction*	2/2	
	CIVL6001	Introduction to Civil Engineering*	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	SCIE6028	Physics II	4/2	
	MATH6046	Calculus II	4	
	CIVL6085	Statics*&***	4	
	COMP6045	Algorithm & Programming	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	STAT6147	Statistics Method	2	
	ENTR6003	Entrepreneurship I	2	
	MATH6022	Engineering Mathematics I	4	
	MATH6072	Numerical analysis	2	
	CIVL6019	Surveying*	2/1	
	CIVL6073	Mechanics of Materials**	2	
	CIVL6022	Soil Mechanics*&***	4/1	
	CIVL6086	Engineering Geology*	2	
4	MATH6024	Engineering Mathematics II	4	23
	CIVL6053	Structural Analysis*	4	
	CIVL6023	Fluid Mechanics & Hydraulics*&***	4/1	
	CIVL6066	Construction Material Technology*&****	2/1	
	CIVL6025	Hydrology*&***	2	
	CIVL6087	Foundation Engineering*&***	2/1	
	CIVL6030	Environmental Engineering*&***	2	

Sem	Code	Course Name	SCU	Total
5	CIVL6075	Theory and Design of Concrete Structures*	2/1	19
	CIVL6076	Theory and Design of Steel Structures	2/1	
	ENTR6004	Entrepreneurship II	2	
	CIVL6027	Highway Engineering*&***	2/1	
	CIVL6054	Traffic Engineering*	2	
	CIVL6074	Construction Project Management*&****	2	
	Elective Subjects : Computer Application****			
	COMP6043	Computer Applications in Structural Engineering*	2	
	COMP6044	Computer Applications in Geotechnical Engineering*	2	
	COMP6046	Computer Applications in Construction Management	2	
	Elective Subjects : Infrastructure in CE****			
	CIVL6080	Construction Methods & Heavy Equipment	2	
	CIVL6007	Harbour Engineering*	2	
	CIVL8056	Bridge Engineering*	2	
	CIVL6035	Airport Engineering*	2	
	CIVL6009	Urban Drainage	2	
	CIVL6037	Railway Engineering*	2	
	CIVL8038	Soil Improvement Method	2	
	CIVL6015	Geosynthetics Application in Civil Engineering	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	CIVL6005	Thesis	6	8
	CIVL6002	Case Study in Civil Engineering*	2	
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

****) Elective Subjects: Students should choose two credits from elective courses list on 5th Semester

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation

-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1				V			V					
2					V		V					
3		V					V					
4	V						V					
5	V							V				
6	V									V		
7	V										V	

Notes:

IN : Internship
RS : Research
EN : Entrepreneurship
CD : Community Development
SA : Study Abroad
etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CIVL6077	Industrial Experience	8	
CIVL6078	Technical Design in Civil Engineering	4	
CIVL6088	Professional Ethics and Communication	3	
Enrichment Program II			16
CIVL6081	Project Experience	8	
CIVL6082	Technical Project	4	
CIVL6083	Leadership and Organization Behavior	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6223	Research Experience	8	
RSCH6166	Scientific Writing in Civil Engineering	4	
RSCH6180	Global EES in Civil Engineering	3	
Enrichment Program II			16
RSCH6223	Research Experience	8	
RSCH6166	Scientific Writing in Civil Engineering	4	
RSCH6181	Global EES in Civil Engineering	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6123	Community Outreach Project Implementation	8	
CMDV6083	Community Outreach Project Design in Civil Engineering	4	
CMDV6096	Employability and Entrepreneurial Skills in Civil Engineering	3	
Enrichment Program II			16
CMDV6123	Community Outreach Project Implementation	8	
CMDV6083	Community Outreach Project Design in Civil Engineering	4	
CMDV6097	Employability and Entrepreneurial Skills in Civil Engineering	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Enrichment Program I			15
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*)Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for Civil Engineering (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
MATH6022	Engineering Mathematics I	4	3	MATH6014	Calculus I	4	1
CIVL6053	Structural Analysis	4	4	CIVL6085	Statics	4	2

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	CIVL6085	Statics*	C
4.	CIVL6022	Soil Mechanics*	C
5.	CIVL6023	Fluid Mechanics & Hydraulics	C
6.	CIVL6027	Highway Engineering*	C
7.	CIVL6075	Theory and Design of Concrete Structure	C
8.	CIVL6074	Construction Project Management	C

*) Tutorial & Multipaper

Industrial Engineering**Introduction**

Industrial Engineering is a branch of engineering that engages in the study of how to describe, evaluate, design, modify, control, and improve the performance of integrated systems of people, materials, and technology, viewed over time and within their relevant context. Industrial engineering is unique in its blend of fundamental topics in mathematics, physical and engineering sciences knowledge with the principles and methods of engineering analysis and design. This field identifies human being as central contributors to the inherent complexity of such systems. Globalization has opened up more doors for service industries worldwide, which leads to an increased demand for industrial engineers. The Industrial Engineering curriculum at BINUS UNIVERSITY is structured to adapt the movement of globalization and tailored to the needs of the globalized world.

The study program emphasizes the application of engineering fundamentals with a balanced treatment of theory, design, and experience. Computer applications are integrated throughout the curriculum. Industrial Engineering department allows flexibility to its students to study certain topics in breadth and depth by offering three tracks: Supply Chain Engineering, Service Systems Engineering, and Manufacturing Systems Engineering.

Some of the core courses require the students to not only having a full grasp of the theoretical aspects but also on how to implement them in a time study analysis. The Industrial Engineering facilities are well-equipped in the areas of engineering graphics, industrial engineering systems design, and human performance. The laboratories are available for students to use during their study are but not limited to: Physics Lab, Manufacturing Process Lab, Technical Drawing Lab, Simulation Lab, Work Design, and Ergonomics Lab.

Vision

The most prestigious and dynamic Industrial Engineering school in Indonesia by producing globally accepted graduates.

Mission

The mission of Industrial Engineering Department is to contribute to the global community through the provision of world-class education by:

1. Providing a solid educational experience through the diffusion and integration of knowledge of Industrial Engineering, and services to industries.
2. Educating students from a diverse background in the fundamental skills, knowledge and practice of Industrial Engineering in order to prepare them for a position in global industries and continue for advanced degrees in Industrial Engineering or related disciplines.
3. Providing research and professional services to streamline and optimize operations which contribute to the enhancement of the quality of life.
4. Acknowledging all talents that positively contribute to the quality of life of Indonesians and the international community.

Program Objective

The objectives of the program are:

1. Utilize appropriate engineering design methods and tools that are principal to work beneficially within their professions & communities.
2. Possess effective teamwork and leadership skills and commit to the standard of profession and ethical practice.
3. Continuously develop oneself to meet the evolving demands and increasing responsibilities of a successful career, to benefit the organization and society.

Student Outcomes

After completing the study, graduates are:

1. An ability to apply mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to identify, formulate, and solve industrial engineering problems.
5. An ability to function on multidisciplinary teams.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand impact of industrial engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for industrial engineering practice.

Prospective Career of the Graduates

Industrial engineers are employed in manufacturing and service industries. The type of works industrial engineers are doing are but not limited to:

1. Manufacturing Industry: Inventory Management, Logistics, Operation Management, Production Management, and Warehousing.
2. Research and Development: Data Analysis, Environmental Protection and Preservation, and Human Factors Engineering.
3. Service Industry: Client Management, Commercial Banking and Real Estate, Financial Consulting, Health Systems, and Human Resource Consulting.
4. Business and Management: Business Strategy, Investment Banking, Management Analysis, Project Management, and Business Development.
5. Education: Teaching and Research, consulting.
6. Information Technology: Computer Integration, Database Design, Telecommunication, and Web Development.

Curriculum

Industrial Engineering Program is about designing, modifying, controlling, and improving complex systems. Therefore, a strong basis in the “queen of the sciences”, better known as mathematics, and computer science is a must in modeling and solving such complex systems. The Industrial Engineering curriculum is structured in such a way that the students should master the following scientific fields: mathematics, physics, humanities/social sciences, computer science and management, general engineering sciences, industrial engineering core, lab sciences, professional engineering practice, and industrial engineering specialization.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	SCIE6004	Physics I	4	
	SCIE6025	Chemistry	4	
	MATH6014	Calculus I	4	
	ENGR6004	Technical Drawing**	2/2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	SCIE6017	Biology	2	
	SCIE6005	Physics II	4/2	
	MATH6016	Calculus II	4	
	LANG6061	Indonesian	1	
	Economic Electives***			
	ECON6039	Managerial Economics	2	
	ACCT6125	Managerial Accounting	2	
	ECON6017	Economics Theory	2	
	ACCT6139	Financial Accounting	2	

Sem	Code	Course Name	SCU	Total
2	English University Courses II			21
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	20
	MATH6004	Linear and Discrete Mathematics	4	
	MATH6019	Calculus III	4	
	STAT6003	Probability Theory	2	
	ENTR6003	Entrepreneurship I	2	
	Computer Science Electives***			
	COMP6178	Introduction to Programming	2/2	
	ISYS6123	Introduction to Database Systems*	2/2	
	COMP6175	Object Oriented Programming	2/2	
	Engineering Electives***			
	CIVL6030	Environmental Engineering	2	
	CPEN6080	Electronic Devices	4/1	
	CPEN6079	Electric Circuit Theory	2/1	
	CPEN6099	Signal and System	4	
	CPEN6028	Actuators and Sensors	2	
	COMP6014	Introduction to Data Structure	2	
	CIVL6023	Fluid Mechanics and Hydraulics	4/1	
	CIVL6021	Statics	4/1	
	CIVL6022	Soil Mechanics	4/1	
	CIVL6025	Hydrology	2	
4	ENTR6014	Entrepreneurship Business Project I	1	18
	ISYE6041	Engineering Economy**	2	
	ISYE6123	Deterministic Optimization*&***	3	
	ISYE6113	Leadership & Organizational Behavior*&***	2	
	ISYE6124	System Engineering & Analysis**	3	
	ISYE6059	Human-Integrated Systems	2/2	
	STAT6084	Applied Statistics	3	
5	STAT6096	Stochastic Processes	4	21
	ISYE6125	Quality Engineering**	3	
	ENTR6004	Entrepreneurship II	2	
	Supply Chain Engineering			
	Required Track Courses			
	ISYE6048	Supply Chain : Logistics	4	
	ISYE6114	Warehouse Management Systems	4	
	Elective Track Courses****			
	ISYE6055	E-Supply Chain Management*	2/2	
	ISYE6067	Global Supply Chain*	2	
	ISYE6056	Supply Chain Risk & Negotiation	4	
	ISYE6115	Transportation Modeling	2	

Sem	Code	Course Name	SCU	Total
5	Service Systems Engineering			21
	Required Track Courses			
	ISYE6066	Human Interaction in Service Systems	2	
	ISYE6047	Decision Support System	4	
	MKTG6128	Market Research	2	
	Elective Track Courses****			
	ISYE6130	Project Management	2	
	ISYE6065	Dynamic Service Facility Design	2/2	
	ISYE6062	Financial Engineering*	4	
	Manufacturing Systems			
	Required Track Courses			
	ENGR6005	Mechanics of Materials	2	
	ISYE6061	Manufacturing Processes	4/2	
	Elective Track Courses****			
	ISYE6130	Project Management	2	
	ISYE6070	Facility Planning	2	
	ISYE6064	Sustainable Engineering Systems*	4	
	ISYE6116	Health and Safety Engineering	2	
6	ENTR6015	Entrepreneurship Business Project II	1	15
	ISYE6101	Production & Operation Analysis**	4/2	
	ISYE6075	Systems Simulation**	4	
	STAT6002	Research Methodology	2	
	Supply Chain Engineering			
	Elective Track Courses****			
	ISYE6055	E-Supply Chain Management*	2/2	
	ISYE6067	Global Supply Chain*	2	
	ISYE6056	Supply Chain Risk & Negotiation	4	
	ISYE6115	Transportation Modeling	2	
	Service Systems Engineering			
	Elective Track Courses****			
	ISYE6130	Project Management	2	
	ISYE6065	Dynamic Service Facility Design	2/2	
	ISYE6062	Financial Engineering*	4	
	Manufacturing Systems			
	Elective Track Courses****			
	ISYE6130	Project Management	2	
	ISYE6070	Facility Planning	2	
	ISYE6064	Sustainable Engineering Systems*	4	
	ISYE6116	Health and Safety Engineering	2	
7	Enrichment Program I		15	15
8	Enrichment Program II		8	16
	ISYE6153	Thesis	8	
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Elective Courses list:

- For 2nd Semester: Students choose 4 credits from Economic Elective courses list
- For 3rd Semester: Students choose 4 credits from Computer Science Elective courses list
- For 3rd Semester: Students choose 2 credits from Engineering Elective courses list

****) Elective Track Courses

- For 5th Semester: Students choose 4 credits of elective track course based on preferred track
- For 6th Semester: Students choose 2 credits of elective track course based on preferred track. Chosen elective course in semester 6 should be different with chosen elective course in semester 5

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (7th Semester) & Enrichment Program II (8th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 7						Semester 8					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2		v					v					
3				v			v					
4					v		v					

Notes:

IN : Internship CD : Community Development
 RS : Research SA : Study Abroad
 EN : Entrepreneurship etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ISYE6117	Industrial Practice	8	
ISYE6139	Engineering Ethics	3	
ISYE6140	Sustainable Productivity Engineering	4	
Enrichment Program II			8
ISYE6141	Technical Communication	4	
ISYE6142	Future Trend in Industry	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6228	Research Experience	8	
RSCH6126	Scientific Writing in Industrial Engineering	4	
RSCH6127	Global EES in Industrial Engineering	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6129	Community Outreach Project Implementation	8	
CMDV6049	Design Project	4	
CMDV6050	Employability and Entrepreneurial Skills in Industrial Engineering	3	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
GLOB6005	Elective Course for Study Abroad 1	4	15
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits.

The Table of Prerequisite for Industrial Engineering (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
MATH6019	Calculus III	4	3	MATH6014	Calculus I	4	1
STAT6096	Stochastic Processes	4	5	STAT6003	Probability Theory	2	3
ISYE6101	Production & Operation Analysis	4/2	6	ISYE6123	Deterministic Optimization	3	4
ISYE6125	Quality Engineering	3	5	STAT6084	Applied Statistics*	3	4
Stream : Supply Chain Engineering							
ISYE6048	Supply Chain : Logistics	4	5	ISYE6123	Deterministic Optimization*	3	4
Stream : Service Systems Engineering							
ISYE6062	Financial Engineering	4	5	ISYE6123	Deterministic Optimization*	3	4

*)Industrial Engineering department and related lecturer will monitor the exam and grading collection to be first priority

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1	CHAR6013	Character Building: Pancasila	B
2	ENTR6004	Entrepreneurship II	C
3	ISYE6123	Deterministic Optimization*	C
4	ISYE6059	Human-Integrated Systems	C
5	ISYE6125	Quality Engineering*	C
6	ISYE6101	Production & Operation Analysis	C
Stream : Supply Chain Engineering			
7	ISYE6048	Supply Chain : Logistics*	C
8	ISYE6114	Warehouse Management Systems	C
Stream : Service Systems Engineering			
7	ISYE6066	Human Interaction in Service Systems*	C
8	ISYE6047	Decision Support System	C
Stream : Manufacturing Systems			
7	ENGR6005	Mechanics of Materials	C
8	ISYE6061	Manufacturing Processes	C

*) Tutorial & Multipaper

Computer Engineering

Introduction

The Computer Engineering (CEN) study program was established in September 1987 under the Faculty of Computer Studies and since 2011 are under Faculty of Engineering BINUS UNIVERSITY. The CEN Program is **accredited Grade “A” by the National Board of Higher Education (BAN-PT)** in 2013 and also **accredited by the Engineering Accreditation Commission of ABET**, www.abet.org in 2015. It has various alumni who have gone on to take part in various domains of the business industry. The CEN Program was founded to meet the demand of knowledge about computer systems encompassing computer hardware, software and computer networks. Well established and world famous organizations, i.e. the Institute of Electrical & Electronic Engineers (IEEE) and the Association for Computing Machinery (ACM), use the following definition: "Computer Engineering embodies the science and the technology of design, construction, implementation and maintenance of the hardware and the software components of modern computing systems and computer-controlled equipment," and its graduates said: "Computer Engineers are solidly grounded in the theories and principles of computing, mathematics, and engineering, and apply these theoretical principles to design hardware, software, networks, and computerized equipment and instruments to solve problems in diverse application domains." Hence, graduates of the CEN Program will enjoy knowledge of computer software as well as computer hardware. This will allow graduates to contribute to any kind of application wherever computers are used. The development of Information Technology and the need for experienced computer systems professionals is behind the innovative CEN Program. Currently, the Program covers expertise in understanding to build completed computer system solution that consists of hardware and software, ranging from communication system, embedded and Intelligent systems.

Vision

A study program of choice in Computer Engineering, which focuses on Intelligence, Mobility, and Secure Communication technologies, is recognized internationally, champions innovation and produces graduates with international qualification.

Mission

The mission of Computer Engineering Department is to contribute to the global community through the provision of world-class education by:

1. Educating students with the knowledge and skills in science and technology in the design, analysis and application of intelligent, mobile, and secure connectivity technologies. We prepare graduates to be ethical professionals and technopreneurs, as well as to continue for advanced degrees in computer engineering or related disciplines in global community.
2. Providing a vibrant learning and research environment that nurtures the most creative, value-added and leadership talents of our graduates for the global community.
3. Improving quality of life by conducting professional services and high impact applied research in Computer Engineering related disciplines.

Program Objectives

The objectives of the program are:

1. Excel in methodological and computational skills within their professional and communities.
2. Employ effective team player and professional responsibilities to benefit the organizations and society.
3. Sustainably updating their knowledge to meet evolving global requirements.

Student Outcomes

After completing the study, graduates are:

1. An ability to apply knowledge of math, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to identify, formulate, and solve computer engineering problems.
5. An ability to use the techniques, skills, and modern computer engineering tools necessary for engineering practice.
6. An ability to function on multidisciplinary teams.
7. An understanding of professional and ethical responsibility.
8. An ability to communicate effectively.
9. The broad education necessary to understand the impact of computer engineering solutions in a global, economic, environmental, and societal context.
10. A recognition of the need for, and an ability to engage in life-long learning.
11. A knowledge of contemporary issues.

Prospective Career of the Graduates

1. Hardware Engineer
2. Hardware Design Engineer
3. Hardware Development Engineer
4. Hardware Technical Architect
5. Hardware System Design Engineer
6. Microprocessor Designer and Application Engineer
7. Application Specific Integrated Circuit (ASIC) Design Engineer
8. Network Architect
9. Network Designer
10. Network Engineer
11. Network Specialist
12. Network Test Engineer
13. Telecommunications Engineer
14. Optical Communications Engineer
15. Wireless Communications Network Engineer
16. Technopreneur

Curriculum

The Computer Engineering curriculum is developed based on the IEEE-ACM international curriculum as well as the APTIKOM national curriculum. Both are curricula developed by professional engineers and educators in their fields who are members of a professional association. With reference to the two curriculums above, the curriculum used by the computer engineering study program can produce graduates who are able to answer local and global challenges.

The curriculum structure of the computer engineering program consists of five parts. The first part is the mathematics and basic science consisting of 32 credits, the second part is engineering science consisting of 31 credits, the third part is engineering design consisting of 63 credits, the fourth part is the major design consisting of 6 credits and the last is the university courses consisting of 14 credits. Enrichment 3 + 1 program is in the third part of curriculum structure that is in engineering design. In this part, students are expected to be able to design a computer system that can provide real solutions related to problems that exist in the area of computer engineering in the area of research, industry, community development and entrepreneurship.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	SCIE6004	Physics I	4	
	MATH6006	Chemistry	4	
	MATH6093	Calculus	4	
	CPEN6078	Introduction to Computer Engineering*	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	SCIE6005	Physics II	4/2	
	COMP6154	Algorithm and Programming Fundamentals	4	
	MATH6005	Engineering Mathematics I	4	
	MATH6036	Discrete Mathematics	2	
	LANG6061	Indonesian	1	

Sem	Code	Course Name	SCU	Total
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	MATH6007	Engineering Mathematics II	4	22
	STAT6026	Probability and Statistics	2	
	MATH6044	Numerical Methods	2	
	CPEN6123	Circuits and Signals**	4/1	
	CPEN6080	Electronics Devices*&***	4/1	
	ENTR6003	Entrepreneurship I	2	
	CHAR6015	Character Building: Agama	2	
4	CPEN6034	Computer Organization and Architecture*&***	4	24
	CPEN6081	Digital System*&****	5/1	
	CPEN6083	Digital Signal Processing*	2/1	
	CPEN6124	Digital Communication Systems**	4	
	CPEN6046	Computer Networks	4/1	
	COMP6083	Operating Systems	2	
5	CPEN6084	Microcontroller Design and Application*&****	5/1	22
	ISYS6078	Database Design and Application	2/1	
	ENTR6004	Entrepreneurship II	2	
	CPEN6075	Computer System Development and Methodology*	2	
	Stream : Intelligent Embedded Systems			
	CPEN6125	Computational Intelligence	4/1	
	CPEN6126	Cross Platform Application Development**	4	
	Stream : Communication System			
	CPEN6127	Network Infrastructure Technology	4/1	
	CPEN6128	Mobile Communications and Cyber Security**	4	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	CPEN6110	Final Project	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

***) Entrepreneurship Embedded

**) Global Learning System Course

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	
6		v					v					
7		v						v				
8		v							v			
9		v								v		
10		v									v	
11			v				v					
12			v					v				
13			v						v			
14			v							v		
15			v								v	
16				v			v					
17				v				v				
18				v					v			
19				v						v		
20				v							v	
21					v		v					
22					v			v				
23					v				v			
24					v					v		
25					v						v	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CPEN6129	Computer Engineering Practical Experience I : For Industry Practice	8	
CPEN6130	Computer Engineering Technical Analysis I : For Industry Practice	4	
CPEN6147	Computer Engineering EES Experience I : For Industry Practice	3	
Enrichment Program II			16
CPEN6133	Computer Engineering Practical Experience II : For Industry Practice	8	
CPEN6134	Computer Engineering Technical Analysis II : For Industry Practice	4	
CPEN6136	Computer Engineering EES Experience II : For Industry Practice	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I : <i>(For students who only take Entrepreneurship track in semester 6, should take these courses)</i>			15
ENTR6188	Computer Engineering Practical Experience I : For Entrepreneurship - Business Start Up	8	
ENTR6189	Computer Engineering Technical Analysis I : For Entrepreneurship - Business Model & Validation	2	
ENTR6190	Computer Engineering Technical Analysis I : For Entrepreneurship - Launching New Venture	2	
ENTR6191	Computer Engineering EES Experience I: For Entrepreneurship – EES in New Business	3	
For students who take Entrepreneurship track in semester 6 and 7, should take these courses:			
Enrichment Program I			
ENTR6188	Computer Engineering Practical Experience I : For Entrepreneurship - Business Start Up	8	
ENTR6189	Computer Engineering Technical Analysis I : For Entrepreneurship - Business Model & Validation	2	
ENTR6190	Computer Engineering Technical Analysis I : For Entrepreneurship - Launching New Venture	2	
ENTR6191	Computer Engineering EES Experience I: For Entrepreneurship – EES in New Business	3	
Enrichment Program II			16
ENTR6192	Computer Engineering Practical Experience II : For Entrepreneurship - Growing a Business	8	
ENTR6193	Computer Engineering Practical Experience II : For Entrepreneurship - Lean Start Up & Business Plan	2	
ENTR6194	Computer Engineering Practical Experience II : For Entrepreneurship - Venture Capital	2	
ENTR6195	Computer Engineering Practical Experience II : For Entrepreneurship - EES in Business Experience	4	

Code	Course Name	SCU	Total
Enrichment Program II: <i>(For students who only take Entrepreneurship track in semester 7, should take these courses)</i>			16
ENTR6241	Computer Engineering Practical Experience II : For Entrepreneurship - Business Start Up	8	
ENTR6242	Computer Engineering Technical Analysis II : For Entrepreneurship - Business Model & Validation	2	
ENTR6243	Computer Engineering Technical Analysis II : For Entrepreneurship - Launching New Venture	2	
ENTR6196	Computer Engineering EES Experience II: For Entrepreneurship – EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6139	Computer Engineering Practical Experience I : For Research Practice	8	
RSCH6140	Computer Engineering Technical Analysis I : For Research Practice	4	
RSCH6141	Computer Engineering EES Experience I : For Research Practice	3	
Enrichment Program II			16
RSCH6142	Computer Engineering Practical Experience II : For Research Practice	8	
RSCH6143	Computer Engineering Technical Analysis II : For Research Practice	4	
RSCH6144	Computer Engineering EES Experience II : For Research Practice	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6059	Computer Engineering Practical Experience I : For Community Development Project	8	
CMDV6060	Computer Engineering Technical Analysis I : For Community Development Project	4	
CMDV6061	Computer Engineering EES Experience I: For Community Development Project	3	
Enrichment Program II			16
CMDV6062	Computer Engineering Practical Experience II : For Community Development Project	8	
CMDV6063	Computer Engineering Technical Analysis II : For Community Development Project	4	
CMDV6064	Computer Engineering EES Experience II: For Community Development Project	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*)Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for Computer Engineering (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
MATH6007	Engineering Mathematics II	4	3	MATH6093	Calculus	4	1
CPEN6034	Computer Organization and Architecture	4	4	COMP6154	Algorithm and Programming Fundamentals	4	2
CPEN6084	Microcontroller Design and Application	5/1	5	CPEN6123	Circuits and Signals	4/1	3

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	MATH6093	Calculus*	C
4.	COMP6154	Algorithm and Programming Fundamentals*	C
5.	CPEN6123	Circuits and Signals*	C
6.	CPEN6084	Microcontroller Design and Application	C
Stream : Intelligent Embedded Systems			
7.	CPEN6125	Computational Intelligence	C
8.	CPEN6126	Cross Platform Application Development	C
Stream : Communication System			
7.	CPEN6127	Network Infrastructure Technology	C
8.	CPEN6128	Mobile Communications and Cyber Security	C

*) Tutorial & Multipaper

Food Technology

Introduction

Food Technology Study Program Bina Nusantara University aimed at those who are willing to learn more about food, and to work with innovative future foods, to solve major health issues by understanding functional foods, covers the design and production of foods with health benefits. Other subjects such as food chemistry, food processing, food microbiology, food safety, food packaging, human nutrition, food analysis, food product innovation, and food process engineering will be provided to understand and able to produce safe, healthy, high quality nutritious and tasty foods and beverages.

The Study Program is designed not only to meet the market needs but also to produce creative, innovative and productive graduates who are capable of food product innovation as well as food safety management system, with strong emphasis on engineering sciences, and providing graduates with *entrepreneurship* in food technology to meet global challenges on food and nutrition security.

The study program links to national and multinational food industry and universities all over the world are strong, and there will be one year enrichment program, with five tracts namely, study abroad, internship, entrepreneurship, research and community services to enrich the theory obtained in campus.

Facilities in the study program include well-equipped laboratories, namely Food Chemistry and Biochemistry, Microbiology, Food Processing, Physics, Computer, and Sensory Laboratories.

Vision

A world-class Food Technology Program with IT-support for advanced food enterprise development.

Mission

The mission of Food Technology Department is to contribute to the global community through the provision of world-class education by:

1. Providing a solid educational experience through the diffusion and integration of knowledge of Food Technology, and services to food industries.
2. Educating students from a diverse background in the fundamental skills, knowledge and practice of Food Technology in order to prepare them for a position in global industries and continue for advanced degrees in Food Technology or related disciplines.
3. Providing research and professional services to streamline and optimize operations which contribute to the enhancement of the quality of life.
4. Acknowledging all talents that positively contribute to the quality of life of Indonesians and the international community.

Program Objectives

The objectives of the program are:

1. To prepare students with a solid foundation of knowledge and understanding of Food Technology theory that will be beneficial to contribute in International Food Industry.
2. To provide students with the methodological, and computational skills to operate effectively and efficiency through direct involvement in problem solving required in research at Food Technology.
3. To provide students with information, communication and negotiation skills, and understanding of contemporary issues into practice in marketing of Food product.

Student Outcomes

After completing the study, graduates are:

1. Able to design food production process based on the application of the principles of food processing technologies effectively, efficiently, and precision in order to produce a standardized production process properly.
2. Able to design food products development that have quality, safe, nutritious and beneficial to health, and based on the principles of food technology.
3. Able to doing research on fusion food processing operations appropriate with the characteristics of food material, so as to produce safe food and quality along the food production chain and can provide added value to the food.
4. Able to analyze problems with the approach in solving the problem of food technology and the production of food products to be efficient, safe, and with a guaranteed quality.
5. Able to design the packaging of food products in order to protect and maintain the durability and quality of products, as well as safe, with an informative label for consumers appropriates with the regulations and legislation of food.
6. Able to propose innovations in the production process and or food products with a distinctively Indonesian locally based food ingredients.
7. Able to propose alternative food raw materials as a substitute for imported food.
8. Able to integrate computer applications that support the use of technology in food production processes fields.

Prospective Career of The Graduates

1. Food Industry: production, quality control, R&D in various national and multinational food industries.
2. Food processing system designer/manager.
3. Food safety management system designer/manager.
4. Food product innovator.
5. IT system/Software designer in supporting food processing.
6. Researcher in food processing or food technology to support the Government or industry.
7. Analyst in food policy, research, and implementation to develop food industry, food safety, nutrition, and food quality standards
8. Consultant in food processing, product formulation, food safety, sanitation.
9. Food Entrepreneur.

Curriculum

Food Technology Study Program is a solid foundation of knowledge and understanding to contribute in multinational food industries. Students will be equipped with the methodological and computational skills as well as practical laboratory in order to operate effectively and efficiently through direct involvement in problem solving essentially required in research and food industries.

The curriculum of Food Technology Department is specially structured to solve contemporary issues and to produce the innovation in Food Technology with IT support, as well as food safety management system.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	CHAR6013	Character Building: Pancasila	2	20	
	LANG6027	Indonesian	2		
	FOOD6015	Introduction to Food Technology*	2		
	SCIE6045	Physics	2/1		
	SCIE6024	Biology	2/1		
	MATH6081	Mathematics	2		
	SCIE6020	Chemistry*	2/2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	SCIE6023	Physical Chemistry	2/1		
	SCIE6021	Organic Chemistry	2/1		
	MATH6031	Calculus	4		
	FOOD6022	Unit Operation in Food Processing*	2		
	FOOD6012	Basic Food Biochemistry*&***	2/2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		

Sem	Code	Course Name	SCU	Total	
3	CHAR6015	Character Building: Agama	2	18	
	ENTR6003	Entrepreneurship I	2		
	STAT6095	Statistics Method	2		
	SCIE6022	Analytical Chemistry**	2/1		
	SCIE6026	Basic Microbiology*&***	2/1		
	FOOD6001	Food Chemistry**	2/2		
	FOOD6002	Characteristics of Food Materials*&***	2		
4	FOOD6042	Principles of Food Engineering*	2/2	20	
	FOOD6043	Principles of Food Processing**	4		
	FOOD6007	Food Microbiology*&***	2		
	COMP6268	Algorithm & Programming	2/2		
	FOOD6019	Food Processing Technology***	4/2		
5	FOOD6003	Food Analysis**	2/2	18	
	FOOD6028	Functional Foods*	2		
	FOOD6020	Integrated Food Processing Laboratory	2		
	FOOD6021	Food Packaging and Storage Technology*&***	2		
	ENTR6004	Entrepreneurship II	2		
	FOOD6008	Food Microbiology Laboratory	2		
	FOOD6035	Food Safety Management System*	2		
	COMP6272	Data Structure	2		
6	FOOD6024	Research Methodology & Scientific Writing*	2	18	
	FOOD6010	Food Quality Assurance***	2/2		
	FOOD6014	Nutrition and Biological Evaluation of Food Component*	2/1		
	FOOD6004	Sensory Evaluation	2/1		
	Elective Courses****				
	COMP6079	Artificial Intelligence	2		
	ISYS6277	Database Systems	2		
	FOOD6026	Innovation and Creation of Food Product	2		
	CPEN6104	Automation and Process Control in Food Processing	2		
	FOOD6023	Bioprocess Technology	2		
	FOOD6013	Metabolism of Food Components	2		
	CPEN6137	Introduction to Sensors Technology	2		
	FOOD6025	Experimental Design*	2		
	FOOD6027	Planning and Plant Design	2		
	MOBI6040	Introduction to Mobile Application	2		
	MOBI6041	Web Design	2		
7	Enrichment Program I		16	16	
8	Enrichment Program II		8	16	
	FOOD6030	Thesis & Seminar	8		
TOTAL CREDITS 146 SCU					

*) This course is delivered in English

***) Entrepreneurship Embedded

***) Global Learning System Course

****) Elective Courses: Students choose 6 credits of elective courses on 6th semester

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (7th Semester) & Enrichment Program II (8th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 7						Semester 8					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	V						V					
2		V					V					
3			V				V					
4				V			V					
5					V		V					
6	V							V				
7	V									V		

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Enrichment Internship Track			
Code	Course Name	SCU	Total
Enrichment Program I			16
FOOD6031	Industrial Experience	8	
FOOD6005	Food Additive, Food Law and Food Regulation in Food Industry	2	
FOOD6011	Hygiene, Sanitation and System Quality In Food Industry	2	
FOOD6032	Communication Skills in Food Industry	4	
Enrichment Program II			8
FOOD6039	Professional Experience	4	
FOOD6040	Food Analysis in Food Industry	2	
FOOD6041	Work Ethics in Food Industry	2	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I:			16
ENTR6295	Business Start Up	8	
ENTR6201	Food Business Model & Validation	2	
ENTR6202	Launching New Food Venture	2	
ENTR6237	EES in New Food Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I:			16
RSCH6227	Research Experience	8	
RSCH6153	Scientific Writing on Food Research	4	
RSCH6182	Global EES in Food Technology	4	
Enrichment Program II:			8
RSCH6227	Research Experience	8	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6128	Community Outreach Project Implementation	8	
CMDV6071	Community Outreach Project for Food Processing	4	
CMDV6098	Employability and Entrepreneurial Skills in Food Technology	4	
Enrichment Program II			8
CMDV6128	Community Outreach Project Implementation	8	

Enrichment Study Abroad Track*

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			16
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

The Table of Prerequisite for Food Technology (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
FOOD6007	Food Microbiology	2	4	SCIE6026	Basic Microbiology*	2/1	3
FOOD6042	Principles of Food Engineering	2/2	4	FOOD6022	Unit Operation in Food Processing	2	2
FOOD6043	Principles of Food Processing	4	4	SCIE6023	Physical Chemistry	2/1	2
				FOOD6001	Food Chemistry*	2/2	3
FOOD6021	Food Packaging and Storage Technology	2	5	FOOD6043	Principles of Food Processing*	4	4
				FOOD6042	Principles of Food Engineering*	2/2	4

*) Food Technology Department and related lecturer will monitor the exam and grading collection to be first priority

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	FOOD6012	Basic Food Biochemistry*	C
4.	FOOD6001	Food Chemistry	C
5.	FOOD6010	Food Quality Assurance	C
6.	FOOD6007	Food Microbiology*	C
7.	FOOD6019	Food Processing Technology	C
8.	FOOD6021	Food Packaging and Storage Technology*	C

*) Tutorial & Multipaper

Professional Program of Engineer (PPE)**Introduction**

Professional Program of Engineer is a program designed to benefit working professionals who seek to increase their qualifications through specialized degree and professional certificate programs. As a prerequisite, the student who wants to enter this program has to at least have 2 years of working experiences in engineering field after graduated from bachelor degree of Sarjana Teknik (ST) or at least have 5 years of working experiences in engineering from Sarjana Sains (S.Si) and Sarjana Pendidikan (S.Pd) graduates. When the students have to build strong foundations in math, physics, chemistry and engineering principals during the time of being engineering students, in this engineering professional program, the students who hold an accredited bachelor degree have to enhance their contemporary knowledge to lead and manage their improvement of professional progress in highly competitive global environment. As a new program in Faculty of Engineering, The Professional Program of Engineer is an urgent need in Indonesia to meet the number of professional engineers' requests in many field of engineering that has been going on in Indonesia. In addition, certification of the profession of engineers for Indonesian engineer is also indispensable to compete in the era of the ASEAN Economic Community (MEA), even more to compete within the global. This program provides an availability of opportunity to increase individual competence and professionalism through continuous professional development. The scope of engineering disciplines may include: Earth and energy; civil engineering and the built environment; mechanical, electrical, chemical and industrial engineering; conservation and

management of natural resources; agriculture and agricultural products; forestry science, marine and shipping technology; aeronautics and astronautics.

Vision

The most prestigious and dynamic Professional Program of Engineer in Indonesia by creating global accepted professional.

Mission

The mission of Professional Program of Engineer is to contribute to the global community through the provision of world-class education by:

1. Offering and inviting all professional practitioners to be certified in Profession Organization and eager to continuously improve professional competencies.
2. Ensuring the engineers to comply the criteria of professional development in order to maintain their professional competencies.
3. Enforcing the laws, regulation, and standard that regulate engineering practice, or the use of Engineer Profession title, in fair and consistent way.

Program Objective

The objectives of the program are:

1. To prepare students with solid technical skills and conceptual knowledge of engineering.
2. To prepare students with engineering knowledge to succeed in an engineering career.
3. To equip students with information technology knowledge that is in demand by the engineering practice.

Student Outcomes

After completing the study, graduates are:

1. Able to conduct engineering planning by using resource and conduct evaluation of engineering practice comprehensively through science and technology implementation;
2. Able to solve engineering problem through single and multidisciplinary approach;
3. Able to conduct research and make engineering decision based on engineering profession code of conduct and standard in strategic and accountable;
4. Able to implement the use of the engineering tools appropriately and effective technologies to provide added value in engineering practices.

Prospective Career of the Graduates

Due to the broad field of professions involving engineering in its implementation, the following is the areas of the profession field where the candidates are being work for, are eligible for PPE registration, but not limited to:

- | | |
|--|-----------------------------------|
| 1. Higher Education and technical training | 5. Mining and Minerals |
| 2. Research, development, assessment | 6. Natural / biological resources |
| 3. Consultant and construction | 7. Assets management operation |
| 4. Industrial management, manufacturing and processing | |

Curriculum

Professional program of engineer is about how to apply and implement 'body of knowledge' of engineering in an everyday real practice as a profession. The term of profession itself should of course meet certain professional skills to develop ways to utilize economically the materials and experience requirements for the benefit of humankind added to his academic education. The curriculum of professional program of engineer is structured based on professional practice point of view. Through this program, the student should master the knowledge of engineering practices and has experienced the code of conduct and ethics of engineer profession, professionalism, Occupational Safety and Health Management, seminar, engineering case study and more emphasized on engineering practice.

Course Structure

Course Structure				
Sem	Code	Course Name	SCU	Total
1	ENGR7084	Code of Conduct and Ethics of Engineer Profession	2	8
	ENGR7085	Professionalism	2	
	ENGR7086	Occupational Safety and Health Management	2	
	ENGR7089	Seminar	2	
2	ENGR7087	Engineering Practice	12	16
	ENGR7088	Engineering Case Study	4	
TOTAL CREDITS 24 SCU				

2.2.6 BINUS ASO School of Engineering

Product Design Engineering

Introduction

Product Design Engineering (PDE) provides stakeholders with the spearheaded product design that prioritize the human-centered and the sustainability of the product within realistic constraint. Those priorities are aligned with the Industrial Revolution 4.0 (IR 4.0) within the Indonesia as local wisdom. This IR 4.0 comprises megatrends in physical, digital and biological aspects that eventually aims for ultimate level of global prestige and dynamic. This globalization in this PDE is deemed as combination of globalization and local wisdom settings enables the ambidexterity toward disruptive innovation.

Vision

To be the most prestigious and dynamic Product Design Engineering program based upon Indonesia and Global wisdom enables the human-centered and sustainable product design for industries and communities as stakeholders through young talented graduates.

Mission

To enhance the Indonesia and Global wisdom through young talented graduates within industries and communities by:

1. Fostering all young talents, in term of education and enrichment, that contribute to the Indonesia local wisdom; and global prestige and dynamic through Product Design Engineering program.

2. Educate all young talents through an integrated approach of Product Design Engineering program and personal develop through solid manner for perseverance and integrity.
3. Enrich all young talents through effective learning experience within IR 4.0's megatrends of physical, digital and biology as the spearheaded and cutting edge of learning experience.
4. Empowering all young talents to build and serve Indonesia toward industries and communities as stakeholders through prioritizing human-centered and sustainable product design through 5 stages of design thinking approach.
5. Prioritize all young talents to synergize human-centered and sustainable products design through ambidexterity of continuous improvement and breakthrough toward disruptive innovation.

Program Objective

Within a few years of graduation, Product Design Engineering graduates are expected to be able to:

1. Utilize appropriate product design engineering methods and tools to come up with the product design that complies with human-centered design and sustainability approaches to cater stakeholders, known as industries and communities.
2. Optimize the product design that comply Indonesia local wisdom within product design engineering disciplines through assorted range from the material selection, design process, production process and the marketing stage until the ultimate stage arriving at the users' premises.
3. Promote the product design within Indonesia local wisdom as the escalating trigger to global prestige with the pride of Indonesia local wisdom product.
4. Continual learning and application of product design output that comply with megatrends of Industrial Revolution 4.0 within physical, digital and biology.

Student Outcomes

At the end of the program, graduates will have these following competencies:

1. An ability to apply mathematics, science, design and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environment, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to identify, formulate, and solve engineering problems.
5. An ability to function on multidisciplinary teams.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand impact of industrial engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the technique, skills, and modern engineering tools necessary for industrial engineering practice.

Prospective Career of the Graduates

1. Industrial Design Engineer
2. Automotive and Parts Designer
3. Product Design Engineering Consultant
4. Industrial Engineering in Manufacturing and Service Industries
5. Entrepreneur
6. Simulation Analyst

Curriculum

Courses are designed to enhance your understanding, knowledge, and ability to create and implement product design engineering that enables the human-centered and sustainable product design for industries and communities. The facilities including the computer laboratories and other relevant facilities are synergized to ensure students toward the balanced aspects among the need as academicians during study years and as practitioners within the professionals and entrepreneurship stages afterward.

Core A: Math and Basic Science

Core B: Engineering Topics

Core C: Institutional

Core D: Humanities and Social Science

Core E: Creativity and Aesthetic Experience

Core F: Major

Course Structure

Sem	Code	Course Name	SCU	Total
1	ENGR6011	Mechanical drawing	2/2	20
	PDEN6001	Product Design Outline I	2	
	MATH6098	Calculus I	4	
	SCIE6031	Physics I	4	
	MATH6097	Chemistry	4	
	CHAR6016	Character Building: Pancasila	2	
2	CHAR6017	Character Building: Kewarganegaraan	2	20
	MATH6100	Calculus II	4	
	SCIE6035	Physics II	4/2	
	PDEN6002	Product Design Outline II	2	
	PDEN6005	Material Science	2	
	ACCT6169	Financial Accounting	2	
	ISYE6105	Leadership and Organizational Behaviour	2	
3	PDEN6004	Expression Technique I	0/3	21
	MATH6107	Calculus III	4	
	SCIE6037	Biology	2	
	MATH6108	Linear and Discrete Math	4	

Sem	Code	Course Name	SCU	Total
3	ISYE6107	Human-Integrated Systems	2/2	21
	PDEN6003	Chromatology	4	
4	CHAR6018	Character Building: Agama	2	21
	STAT6113	Applied Statistics	4	
	STAT6108	Probability Theory	2	
	ISYE6108	Deterministic Optimization	4	
	PDEN6022	3D Design Visualization Technique I	2/2	
	PDEN6010	Image Manipulation Technique I	0/2	
	PDEN6008	Expression Technique II	0/3	
5	ISYE6110	Engineering Economy	2	20
	ISYE6106	Quality Engineering	4	
	PDEN6014	Computer Aided Design	0/2	
	PDEN6017	Computer Aided Manufacturing	0/2	
	PDEN6012	3D Design Visualization Technique II	2/2	
	PDEN6013	Image Manipulation Technique II	0/2	
	STAT6114	Stochastic Processes	4	
6	ISYE6111	System Simulation and Modeling	4	20
	PDEN6016	Industrial Design I	0/4	
	COMM6094	Technical Communication	2	
	ENTR6057	Entrepreneurship I	2	
	ISYE6109	Production and Operation Analysis	4/2	
	PDEN6023	3D Design Visualization Technique III	0/2	
7	PDEN6007	Internship	4	16
	ENTR6058	Entrepreneurship II	2	
	PDEN6024	3D Design Visualization Technique IV*	0/4	
	PDEN6020	Industrial Design II*	0/4	
	PDEN6011	Mechanical Engineering	2	
8	PDEN6021	Major Design Project	0/8	8
TOTAL CREDITS 146 SCU				

*) Summer courses in Fukuoka – Japan

Automotive and Robotics Engineering

Introduction

As part of Computer Engineering, this program helps students develop the ability to analyze, design and build mechanical and automated electronic systems for automotive parts and manufacturing processes using design tools used in global industries today. It includes the design and development of 3D mechanical systems, electronics and computer systems, robotic and automation systems, and automotive and operations engineering.

Vision

Becoming the most admired Automotive and Robotics Engineering program, which focus in intelligent automation system for well being, in providing young talented student with pride.

Mission

To contribute to the global community through the provision of world-class education by:

1. Educating students with the knowledge and skills of science and technology for the design, analysis, and application of mechanical and automation systems particularly for the automotive industry in a creative and resourceful manner.
2. Preparing graduates to become the future leaders in the global community with dignity, charm and discipline mind, while being sensitive to the social, environmental, and economic context.
3. Conducting high impact applied research in the field of engineering to improve quality of life and to contribute to the society which serves the profession of the faculties and enriches the students with contemporary issues.

Program Objective

The objectives of the program are:

1. Productively involved in identifying and solving engineering problems by creatively applying engineering principles in the broad areas of automotive and robotics engineering.
2. Attain successful careers with leadership positions in industry, academia, and public service.
3. Adapt to new technologies, tools and methodologies to respond to the rapidly changing world by continuously updating and renewing their knowledge throughout their careers.

Student Outcomes

At the end of the program, graduates will have these following competencies:

1. An ability to apply knowledge of math, science, and engineering.
2. An ability to design and conduct experiments, as well as analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to identify, formulate, and solve engineering problems.
5. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
6. An ability to function on multidisciplinary teams.
7. An understanding of professional and ethical responsibility.
8. An ability to communicate effectively.

9. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
10. A recognition of the need for, and an ability to engage in life-long learning.
11. A knowledge of contemporary issues.

Prospective Career of the Graduates

1. Automotive Automation Engineer
2. Automated Driving Engineer
3. Vehicle System Integration Engineer
4. Automotive Electronic Test Engineer
5. Industrial Robotics Integration Engineer
6. Automation-based Solution Engineer
7. Intelligent Embedded System Designer
8. Technopreneur

Curriculum

The program combines the curriculum of Computer Engineering Department in BINUS UNIVERSITY and Automotive Engineering and Technology College in Aso College Group, Japan. As one of the oldest department in BINUS UNIVERSITY, Computer Engineering has obtained the 'A' grade accreditation, which is the highest grade from the National Accreditation Board for Higher Education. On the other hand, Aso College of Automotive Engineering and Technology, as one of the 12 colleges in Aso College group, has achieved 100% graduate employment rate, thanks to the highly qualified lecturers with long industrial experience, and the state-of-the-art equipments.

Core of the curriculum of Automotive and Robotics Engineering program is derived from the internationally acknowledged curriculum guideline developed by the Institute of Electrical and Electronics Engineers (IEEE), and Association for Computing Machinery (ACM). The curriculum is directed toward the design, construction, implementation, and maintenance of intelligent automation system, particularly in automotive industry, by the adoption of the state-of-the-art curriculum from Aso College of Automotive Engineering and Technology. In general, there are three areas of study in the program, which are: electronics & embedded system engineering; Intelligent automation system engineering; and mechanical & automotive system engineering.

The mechanical and automotive system engineering area provides students with the ability to design mechanical system in general, and automotive system and its development in particular, using knowledge in strength of materials, mechanical design, mechanical dynamics, and using 2D & 3D CAD tools.

The electronics and embedded system engineering area will enable the students to design electronics systems, microcomputer systems, and the interfacing the world with sensors and actuators.

The intelligent automation system engineering area is where students learn to apply artificial intelligence into machine by signal processing, automatic control, and other computational intelligences.

The program is a 4-year (8-semester) study program that rewards bachelor degree in computer engineering for the graduates after completing 146 credit hours of courses. The students will study in Fukuoka, Japan, at the end of the

third year to complete some courses in Aso College of Automotive Engineering and Technology during the summer course period. The students will do internship and final project in the final year as a culmination of the undergraduate study in the program. The program curriculum is arranged in a well-ordered progression in order to assure smooth acquisition of knowledge and skills in all three mentioned areas of study, with a strong emphasis in hands on learning through projects. The following table outlines the distribution of courses in four years:

1 st year	:	Basic courses to support abilities in automotive, electronics, and computer systems engineering
2 nd year	:	Engineering fundamental courses for automotive, electronics, and computer systems engineering
3 rd year	:	Technically required courses for intelligent automotive and robotics systems engineering
Summer Course	:	Special courses and trainings of automotive engineering in Japan
4 th year	:	Internship and final project in company

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6016	Character Building: Pancasila	2	20
	SCIE6031	Physics I	4	
	MATH6097	Chemistry	4	
	MATH6096	Calculus	4	
	AREN6001	Introduction to Automotive & Robotics Engineering	4	
	ENGR6012	Drafting	2	
2	CHAR6017	Character Building: Kewarganegaraan	2	20
	SCIE6036	Physics II	4/2	
	COMP6330	Algorithm and Programming Fundamentals	4	
	MATH6101	Engineering Mathematics I	4	
	STAT6107	Probability and Statistics	2	
	AREN6003	Strength of materials	2	
3	MATH6104	Engineering Mathematics II	4	20
	MATH6105	Discrete Mathematics	2	
	CPEN6113	Electronic Devices	4/1	
	CPEN6088	Circuit and Signals	4/1	
	ENTR6057	Entrepreneurship I	2	
	AREN6002	2D CAD Drafting	2	
4	CPEN6145	Control System	2/1	20
	CPEN6115	Digital System	5/1	
	MATH6106	Numerical Methods	2	
	CPEN6116	Computer Networks	4/1	
	AREN6015	3D CAD Basic	0/2	
	CHAR6018	Character Building: Agama	2	

Sem	Code	Course Name	SCU	Total
5	CPEN6117	Computer Organization and Architecture	4	20
	SCIE6037	Biology	2	
	CPEN6118	Digital Signal Processing	2/1	
	CPEN6146	Advanced Control System	2/1	
	AREN6016	Mechanical engineering	4/1	
	ISYS6330	Database Design & Application	2/1	
6	AREN6017	Operations Engineering	4/1	21
	AREN6018	Automotive engineering	2/1	
	CPEN6144	Computational Intelligence	4/1	
	CPEN6121	Microcontroller Design and Application	5/1	
	CPEN6120	Computer System Development and Methodology	2	
7	AREN6009	3D CAD Advanced*	4	19
	AREN6010	Manufacture Training*	4	
	AREN6011	Internship	4	
	COMP6169	Operating Systems	2	
	AREN6019	Robotics and Industrial Automation	2/1	
	ENTR6058	Entrepreneurship II	2	
8	AREN6014	Final Project	6	6
TOTAL CREDITS 146 SCU				

*) Summer courses in Fukuoka – Japan

2.2.7 Faculty of Humanities

The Faculty of Humanities at BINUS UNIVERSITY currently manages seven departments, they are : English Literature, Japanese Literature, Chinese Literature, Psychology, Business Law, International Relations and Primary Teacher Education. The curriculum of each program is continually updated to prepare students to be global citizens equipped with the tools of analysis, expression and cultural understanding required for leadership in today's world. Our students not only master a body of knowledge, but they also develop a set of portable skills needed for a lifetime i.e. the ability to think critically, read deeply and communicate effectively.

Chinese Literature

Introduction

Started in 2002, Chinese Department is one of the departments at Faculty of Humanities and it is awarded Grade A from National Accreditation Board (BAN-PT). The Chinese Department offers studies in Chinese culture, teaching, business, Mass Media and Advertising. This information packed course also gives students the opportunity to communicate and socialize in Chinese at the workplace. BINUS UNIVERSITY is committed to educate the next generation and prepared them for competing in the global market. The Chinese Department of BINUS UNIVERSITY is the key to a fascinating career in Chinese workplace. Chinese Department also has cooperation with many universities in China and other countries in providing short course, study tour, field trip, exchange (China and Taiwan University) full scholarship (1 year until 4 year, 1 year for study language, 2-3 years for study master and 3-4 year for

study Ph.D) for the students and alumni. Besides that, Chinese Department offers 1 year internship for active students which collaborate with international, national and multinational companies and education institutions.

Vision

Excellence in IT, Chinese applied language skills, Chinese culture, and innovative as a role model for more competitive and adaptable graduates.

Mission

The mission of Chinese Department is to contribute to the global community through the provision of world-class education by:

1. Educating and equipping students with knowledge and skills of all aspects of Chinese language and culture, while supported by IT, to make them highly competitive and most creative and value-adding intellectuals and entrepreneurs.
2. Preparing students with outstanding character in the community through world-class teaching, learning and research experience, including access to further degrees in Chinese Language or related disciplines.
3. Providing students with the most recent and sophisticated knowledge applicable to be leaders of the global community and job market.
4. Supporting students and lecturers to be creative individuals through a variety of programs that foster the utmost potential of students and lecturers by conducting research and professional services to society and gaining additional resources for the development of Chinese education.
5. Improving the quality of life of Indonesians and the international community through mastery of Chinese language Culture.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of Chinese Communication Skills that they will need in various situations.
2. To provide students with professional expertise that they will need to gain success in industry.
3. To provide students with knowledge and application of Chinese culture.

Student Outcomes

After completing the study, graduates are:

1. Able to communicate in Mandarin properly both spoken and writing forms in various contexts based on quality standards;
2. Able to write and read Han text both formal and informal language for minimal 2500 characters;
3. Able to apply Mandarin software to improve the workability;
4. Able to perform Mandarin both spoken and written form at least one field for a particular purpose;
5. Able to review language aspect, culture, and current issues in Mandarin accordance with grammar (Yufa), and linguistic (Yuyan) that can be contained in Mandarin or mother language paper;
6. Able to present history and sociocultural of Mandarin in mother language both spoken or written forms;
7. Able to present history and socialcultural of Indonesia in Mandarin both in spoken or written forms.

8. Able to apply positive Mandarin culture into daily life in various contexts.
9. Able to utilize Information and Communication Technology to support the work in use of Mandarin.

Prospective Career of the Graduates

Successful students who graduate can look forward to a fantastic choice of job opportunities, including:

- Company
 - Human resources
 - Public relations
 - Marketing Staff/ Manager
 - Assistance Manager/Director
 - Project Assistance
 - Project Manager
 - Secretary
 - Finance
 - Translator
 - Staff Editor
 - Visa Center Staff
 - Bank
- Education
 - Lecturer
 - Principal
 - Education Consultant
 - Education Coordinator
- Own business
 - Language school
 - Travel agency
 - Teaching agency
 - International trade
- Interpreter
- Travel
 - Tour Guide
 - Travel Staff
- Civil service/ government, including:
 - Department of foreign affairs
 - Department of tourism
 - Department of culture & education
 - Immigration

Curriculum

Core Subjects

Students attend courses designed to expand their ability in the Chinese language, business and culture. Subjects include Grammar, Listening, Speaking, Writing, and Reading. Graduates progress from basic level through to advanced level. Upon Graduation, candidates will be excellently equipped with the knowledge and skills to easily enter the world of work.

Character Building

Character building education at BINUS develops the traits of success and integrity amongst students. As a result of this program, graduates achieve the ability to analyze the precise needs of their organization and approach their work in a professional and responsible manner.

Elective Subjects

Elective courses are the solution to become an expert in a certain aspect of Chinese studies. This degree is more than just Chinese Language. Students can deepen their knowledge through study of subjects such as Negotiation Business, Business Ethic, Chinese Teaching Methodology, Chinese Culture, Translation, Business Correspondence, Business Negotiation, Chinese Computer, Entrepreneur, Advertising and Design. Elective courses surely expand their choices of career opportunities.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	CHIN6004	Chinese Language I*	6	
	CHIN6088	Listening I	4	
	CHIN6016	Reading I	2	
	CHIN6024	Conversation I	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	CHIN6005	Chinese Language II	6	
	CHIN6093	Listening II	4	
	CHIN6025	Conversation II	4	
	CHIN6014	Reading II*	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	CHIN6006	Chinese Language III*	6	
	CHIN6087	Listening III	4	
	CHIN6020	Composition I	2	
	CHIN6026	Conversation III*	4	
	CHIN6071	Reading III*	2	
	ENTR6003	Entrepreneurship I	2	
	CHIN6072	Chinese Computer	2	
4	CHIN6021	Composition II	2	24
	CHIN6007	Chinese Language IV*	6	
	CHIN8098	Contemporary China Studies	2	
	CHIN6073	Listening IV	4	
	CHIN6074	Reading IV	2	
	CHIN6094	Reading Chinese Newspaper**	2	
	CHIN6027	Conversation IV	4	
	CHIN6035	Chinese Culture	2	
5	ENTR6004	Entrepreneurship II	2	20
	CHIN6008	Chinese Language V*	6	
	CHIN6022	Composition III*	2	
	CHIN6003	Chinese Scientific Writing	2	
	CHIN6033	History of China*	2	
	Group of Elective Courses***			
	Teaching Elective			
	CHIN6034	Intonation and Pronunciation Teaching	2	
	CHIN6097	Modern Chinese	2	
	CHIN7099	Chinese Teaching Methodology for Foreigners**	2	

Sem	Code	Course Name	SCU	Total
5	Business Elective			20
	CHIN7039	Business Correspondence	2	
	CHIN7076	Business Negotiation*	2	
	CHIN7077	Introduction to Chinese Business**	2	
	Culture Elective			
	CHIN6032	Images of China	2	
	CHIN6012	Classic Chinese	2	
	CHIN8078	Myth, Legend, and Tradition of China**	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	CHIN6029	Chinese Thesis	6	6
TOTAL CREDITS 146 SCU				

*) Global Learning System Course

**) Entrepreneurship Embedded

***) Group of Elective Courses: Student choose one group from three groups of elective courses on 5th semester

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	V						V					
2		V						V				
3			V						V			
4				V						V		
5					V						V	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CHIN6079	Internship I	8	
CHIN6080	Chinese Work Ethic in Industry	2	
CHIN6081	Chinese Communication in Industry I	2	
CHIN6110	EES in Industry I	3	
Enrichment Program II			16
CHIN6083	Internship II	8	
CHIN6084	Chinese Writing Skills in Industry	2	
CHIN6085	Chinese Communication in Industry II	2	
CHIN6086	EES in Industry II	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6320	Business Start Up	8	
ENTR6170	Chinese Business Model & Validation	2	
ENTR6171	Launching New Venture in Chinese	2	
ENTR6373	EES in New Chinese Business	3	
Enrichment Program II			16
ENTR6352	Growing a Business	8	
ENTR6172	Lean Start Up & Business Plan in Chinese	2	
ENTR6173	Chinese Venture Capital	2	
ENTR6363	EES in Chinese Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6242	Research Experience I	8	
RSCH6124	Chinese Research Methodology	4	
RSCH6289	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			16
RSCH6257	Research Experience II	8	
RSCH6125	Chinese Studies Scientific Writing	4	
RSCH6265	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6151	Community Outreach Project Implementation	8	
CMDV6047	Community Outreach Project Design in Chinese	4	
CMDV6197	Employability and Entrepreneurial Skills in Chinese Community	3	
Enrichment Program II			16
CMDV6183	Community Development Project Implementation	8	
CMDV6048	Community Development Project Design in Chinese	4	
CMDV6192	Employability and Entrepreneurial Skills in Chinese Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	

Code	Course Name	SCU	Total
GLOB6026	Elective Course for Study Abroad 22	2	16
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for Chinese (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
CHIN6006	Chinese Language III	6	3	CHIN6004	Chinese Language I	6	1
CHIN6007	Chinese Language IV	6	4	CHIN6005	Chinese Language II	6	2
CHIN6008	Chinese Language V	6	5	CHIN6006	Chinese Language III	6	3
CHIN6087	Listening III	4	3	CHIN6088	Listening I	4	1
CHIN6073	Listening IV	4	4	CHIN6093	Listening II	4	2
CHIN6022	Composition III	2	5	CHIN6020	Composition I	2	3
CHIN6026	Conversation III	4	3	CHIN6024	Conversation I	4	1
CHIN6027	Conversation IV	4	4	CHIN6025	Conversation II	4	2
CHIN6071	Reading III	2	3	CHIN6016	Reading I	2	1
CHIN6074	Reading IV	2	4	CHIN6014	Reading II	2	2

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	CHIN6074	Reading IV	C
4.	CHIN6093	Listening II	C
5.	CHIN6007	Chinese Language IV*	C
6.	CHIN6003	Chinese Scientific Writing	C
7.	CHIN6026	Conversation III*	C
8.	CHIN6022	Composition III*	C

*) Tutorial & Multipaper

Japanese Literature

Introduction

In line with the rapid increase in globalization, it is necessary to master a second international language other than English. To meet this need, the Faculty of Humanities at BINUS UNIVERSITY has been offering the Japanese undergraduate study program (S1) since 2001-2002. Graduates of the Japanese study program at BINUS UNIVERSITY will have knowledge, language skills, and good attitudes when applying their knowledge.

The Japanese study program curriculum provides language skills consisting of competence in speaking, listening, reading, and writing, which enables the students to adapt to situations when dealing with Japanese people. Besides, they will also have knowledge about Japanese studies such as culture, ethics, community, and history. In order that the graduates will be able to get a job soon or to set up their own business after graduating, students are provided with practical knowledge of Japanese business and management, Japanese business culture, as well as knowledge of entrepreneurship. Furthermore, the students are also equipped with Japanese computer skills and information technology so that they will be able to communicate more efficiently in the modern world.

Graduates of the Japanese study program will have high level analytical skills if they wish to continue their education or to work in fields such as business, manufacturing industry, services, tourism, or communication. The professions that graduates could consider are Japanese speaker, translator, interpreter, instructor, public relations officer, secretaries, researchers or entrepreneurs.

Vision

A Japanese Study Program which is excellent in applied Japanese Language skills, Technology and Culture and innovative as a role model for more competitive and adaptable graduates.

Mission

The mission of Japanese Department is to contribute to the global community through the provision of world-class education by:

1. Educating students with Japanese language skills, knowledge, culture, and Applied Japanese for Office and translation by providing excellent courses based on Information Technology.
2. Providing a solid learning and research experience through the creation of creative and value-added talents of leaders for global community.
3. Preparing graduates aiming for higher education degree in Japanese or related disciplines.
4. Developing professional services with an emphasis on application in Japanese knowledge to improve the quality of life of Indonesian and the international community.

Program Objective

The objectives of the program are:

1. To provide language skills on the level of 3rd Japanese Language Proficiency Test (JLPT) consisting of competence in speaking, listening, reading, and writing, which enable the students to adapt to situations when dealing with Japanese people.
2. To provide applied Japanese skills which enable the students to adapt to working environment.
3. To provide knowledge about Japanese culture, ethics, community and history.

Student Outcomes

After completing the study, graduates are:

1. Competent to communicate in Japanese both oral and written in various contexts, includes speaking, listening, writing, and reading comprehension, while applying the principles of grammatical and Japanese cultures accordance with quality standards.
2. Competent to communicate in Japanese, both spoken and written form at least in one field for a particular purpose.
3. Able to write and read Kanji, Hiragana and Katakana for both formal and informal texts.
4. Able to examine language and culture aspects of Japanese Literature according to Japanese grammatical and linguistics, which can be transferred into first language.
5. Able to present the historical and Japanese socio cultural in Bahasa Indonesia both oral and written.
6. Able to present the historical and Indonesian socio cultural in Japanese both oral and written communication.
7. Able to apply Japanese software to improve the workability.
8. Able to apply the principle of Japanese work in the workplace.
9. Able to do business correspondence by applying language ethics in Japanese business contexts.
10. Able to apply positive aspects of Japanese culture into the daily life in various contexts.
11. Able to apply basic principles of translation to translate Japanese popular literary.
12. Able to apply Japanese and cultural theoretical concept in business relations context between Indonesia and Japan.

Prospective Career of the Graduates

With the above-mentioned skills and knowledge, the Japanese graduates are expected to be able to develop themselves in the community for the following professions:

1. Japanese Speaker
2. Japanese Interpreter and Translator
3. Japanese Comics Translator
4. Japanese Business Correspondent
5. Japanese Public Relations Officer/ Guest Relation Officer
6. Independent Travel/ Tourism Agency
7. Journalist
8. Hospitality Service
9. Hotel Affairs
10. Entrepreneur
11. Etc.

Curriculum

The advances in communication and information technology have accelerated the pace of global communications. Various activities and types of work need the expertise and skill of different types of communication. Communication in the Japanese language cannot be separated from the usefulness of sophisticated communication technology and information.

The curriculum of the Japanese study program in the Faculty of Humanities at BINUS UNIVERSITY is designed in such a way that the graduate will be able to grasp the basic knowledge and skills that are required for participation in the global activity. The curriculum refers to the development of industry and commerce.

The curriculum is grouped as followed:

1. **General Group**

This group provides basic competence in the Japanese language for Japanese graduates from BINUS UNIVERSITY. The Competences include Character Building and English skills. In addition, they are expected to have an entrepreneurial spirit.

2. **Japanese Language Group**

This group consists of Japanese Language skills and Linguistics that support the students in studying the Japanese language. Students will learn Japanese from beginner level into advanced level in variety courses. Students also will learn Japanese language in business context, particular term of business Japanese language and also Japanese for translation.

3. **Japanese Studies Group**

This group consists of knowledge about Japanese as studies, such as Japanese culture, ethics, community, history. It also gives the students the ability to think logically and enables them to analyze the differences between Japan and Indonesia in various perspectives. Students also get knowledge about the condition of Japan as a country in economic and politic perspective.

4. **Enrichment Group**

This group consists of enrichment tracks that can enrich student's experience to assess their Japanese language and knowledge about Japan. There are 5 choices of enrichment tracks i.e. Internship at Japan industries, Study Abroad to Japan, Community Development, Research and Entrepreneurship.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	CHAR6013	Character Building: Pancasila	2	20	
	JAPN6017	History of Japan (<i>Nihonshi</i>)	2		
	JAPN6052	Japanese I (<i>Nihongo I</i>)	4		
	JAPN6003	Conversation and Listening Comprehension I (<i>Kaiwa to Chookai I</i>)	4		
	JAPN6013	Writing and Reading I (<i>Kakikata to Yomikata I</i>)	4		
	JAPN6019	Images of Japan (<i>Nihon JiJou</i>)	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6014	Character Building: Kewarganegaraan	2	21	
	JAPN6020	Contemporary Japanese Society (<i>Gendai Nihonjin Shakai</i>)*	2		
	JAPN6053	Japanese II (<i>Nihongo II</i>)*	4		
	JAPN6004	Conversation and Listening Comprehension II (<i>Kaiwa to Chookai II</i>)	4		
	JAPN6014	Writing and Reading II (<i>Kakikata to Yomikata II</i>)	4		
	JAPN6073	Japanese Literature (<i>Nihon Bungaku</i>)*	2		

Sem	Code	Course Name	SCU	Total
2	LANG6061	Indonesian	1	21
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	22
	JAPN6113	Japan and Indonesia in Various Perspective (<i>Nihon to Indonesia no Bunka Hikaku</i>)	2	
	ENTR6003	Entrepreneurship I	2	
	JAPN6029	Japanese Phonology and Morphology (<i>Nihon no Onseigaku to Keitaigaku</i>)	2	
	JAPN6054	Japanese III (<i>Nihongo III</i>)*	4	
	JAPN6005	Conversation and Listening Comprehension III (<i>Kaiwa to Chookai III</i>)	4	
	JAPN6015	Writing and Reading III (<i>Kakikata to Yomikata III</i>)	4	
	COMP6165	Japanese Computer (<i>Nihon no Kompyuta</i>)	2	
4	JAPN6055	Japanese IV (<i>Nihongo IV</i>)	4	23
	JAPN6006	Conversation and Listening Comprehension IV (<i>Kaiwa to Chookai IV</i>)*	4	
	JAPN6109	Writing and Reading IV (<i>Kakikata to Yomikata IV</i>)**	5	
	JAPN6083	Composition and Presentation (<i>Sakubun to Hapyou</i>)	2	
	JAPN6082	Japanese Semantics and Syntax (<i>Nihon no Imiron-Nihon no Kobunho</i>)	2	
	INTR6095	Japanese Political and Economy (<i>Nihon no Seiji to Keizai</i>)	2	
	JAPN6114	Business Japanese I (<i>Bijinesu Nihongo I</i>)*	2	
	JAPN6115	Japanese in Translation I (<i>Nihongo Honyaku I</i>)*	2	
5	JAPN6117	Intermediate Japanese (<i>Chuukyuu Bunpou</i>)	4	23
	ENTR6004	Entrepreneurship II	2	
	JAPN6116	Japanese Corporate Culture and Management (<i>Nihon No Kigyou Bunka to Maneejimento</i>)	2	
	JAPN6032	Japanese Work Ethics (<i>Bijinesu Mana-</i>)	2	
	JAPN6118	Text Analysis (<i>Chuukyuu Dokkai</i>)*	4	
	JAPN6108	Scientific Research Methodology (<i>Kenkyuuriron</i>)	2	
	JAPN6119	Business Japanese II (<i>Bijinesu Nihongo II</i>)	2	
	JAPN6120	Japanese in Translation II (<i>Nihongo Honyaku II</i>)**	3	
	JAPN6074	Japanese Language Proficiency Test: Intermediate Level (<i>Noryoku Shiken III</i>)	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	JAPN6008	Thesis (<i>Rombun</i>)	6	6
TOTAL CREDITS 146 SCU				

*) Global Learning System Course

**) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus).). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1					v		v					
2					v						v	
3	v						v					
4	v										v	
5			v						v			
6				v						v		
7				v			v					
8	v									v		
9				v							v	
10					v					v		
11		v					v					
12		v									v	
13		v						v				
14		v								v		
15	v							v				
16				v				v				
17					v			v				

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
JAPN6121	Industrial Experience	8	
JAPN6122	Japanese Culture and Technology in Industry (<i>Kigyou no Bunka to Gijutsu</i>)	2	
JAPN6123	Japanese Language in Industry (<i>Bijinesu Nihongo Jisshuu</i>)	2	
JAPN6137	Self Management and Team Work Skill	3	

Code	Course Name	SCU	Total
Enrichment Program II			16
JAPN6125	Professional Experience	8	
JAPN6139	Japanese Corporate Management in Industry (<i>Kigyō Keiei</i>)	2	
JAPN6127	Japanese for Specific Purpose in Industry (<i>Ouyō Bijinesu Nihongo Jisshū</i>)	2	
JAPN6128	Problem Solving and Communication Skill	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6297	Business Start Up	8	
ENTR6221	Business Model & Validation in Japanese Market	2	
ENTR6222	Launching New Venture in Japanese Market	2	
ENTR6244	EES in New Japanese Market Business	3	
Enrichment Program II			16
ENTR6311	Growing a Business	8	
ENTR6223	Lean Start Up & Business Plan in Japanese Market	2	
ENTR6224	Venture Capital in Japanese Market	2	
ENTR6245	EES in Japanese Market Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6400	Research Design in Japanese Studies	8	
RSCH6401	Academic Writing in Japanese Studies	4	
RSCH6402	Teamwork and Communication Skill Experience	3	
Enrichment Program II			16
RSCH6403	Research Experience in Japanese Studies	8	
RSCH6404	Scientific Writing in Japanese Studies	4	
RSCH6405	Team Work and Problem Solving Experience	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6131	Community Outreach Project Implementation	8	
CMDV6085	Japanese Community Outreach Project Design	4	
CMDV6102	Employability and Entrepreneurial Skills in Japanese Community	3	

Code	Course Name	SCU	Total
Enrichment Program II			16
CMDV6142	Community Development Project Implementation	8	
CMDV6086	Japanese Community Development Project Design	4	
CMDV6103	Employability and Entrepreneurial Skills in Japanese Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*)Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for Japanese (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
JAPN6054	Japanese III (<i>Nihongo III</i>)	4	3	JAPN6052	Japanese I (<i>Nihongo I</i>)	4	1
JAPN6055	Japanese IV (<i>Nihongo IV</i>)	4	4	JAPN6053	Japanese II (<i>Nihongo II</i>)	4	2
JAPN6005	Conversation and Listening Comprehension III (<i>Kaiwa to Chookai III</i>)	4	3	JAPN6003	Conversation and Listening Comprehension I (<i>Kaiwa to Chookai I</i>)	4	1
JAPN6006	Conversation and Listening Comprehension IV (<i>Kaiwa to Chookai IV</i>)*	4	4	JAPN6004	Conversation and Listening Comprehension II (<i>Kaiwa to Chookai II</i>)	4	2

*) Students should pass Japanese I, Japanese II, Conversation and Listening Comprehension I, Conversation and Listening Comprehension II with minimum grade C.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	JAPN6113	Japan and Indonesia in Various Perspective (<i>Nihon to Indonesia no Bunka Hikaku</i>)	C
4.	JAPN6006	Conversation and Listening Comprehension IV (<i>Kaiwa to Chookai IV</i>)*	C
5.	JAPN6055	Japanese IV (<i>Nihongo IV</i>)*	C
6.	JAPN6032	Japanese Work Ethics (<i>Bijinesu Mana-</i>)	C
7.	JAPN6108	Scientific Research Methodology (<i>Kenkyuuriron</i>)	C
8.	JAPN6074	Japanese Language Proficiency Test: Intermediate Level (<i>Noryoku Shiken III</i>)*	C

*) Tutorial & Multipaper

English Literature**Introduction**

English has been widely accepted as one key element for success. Graduates with eloquence in English and well acquaintance in technology are coveted qualities for further victory in the global competition. With the strenuous ambition to prepare its graduates as key players in professional and academic endeavors, English Study Program at BINUS UNIVERSITY aims to provide best learning experience. Such experience is gained by equipping its students with language and literature studies while cultivating capability of thinking in an analytical, logical and creative manner. In addition, each student is prepared to become a person, with high integrity and good character. To attain this, the English study program is designed to meet the demands of the market and industry for skilled and qualified English graduates. As such, the English study program aims to achieve the following objectives.

Vision

A globally recognized English Department for its cultural and language studies, supported by the best information technology for more competitive world-class graduates.

Mission

The mission of English Department is to contribute to the global community through the provision of world-class education by:

1. Providing the best creative multi-channel learning experiences through innovative learning and teaching approaches, as well as widening students' knowledge of current research in the field of Communication, English Language and Culture.
2. Educating students with global prudence, problem solving skills, and academic virtues in creating leaders for the global community by recognizing and rewarding the most creative and value-adding talents.
3. Preparing students for a successful future career in various academic, business-related and creative professions, with a focus on entrepreneurial and analytical skills in current issues of international Communication, English Language and Culture.
4. Conducting research and providing professional services to external parties.

Program Objective

The objectives of the program are:

1. To provide English language learning in an active environment relevant to learners' future career and development.
2. To provide an in depth knowledge of language and culture; with specific reference to Linguistics and Applied Linguistics competence; Literature and creative expression; as well as cultural knowledge of English speaking countries, through active learning, in order to apply the knowledge successfully in their daily life and future career.
3. To equip learners with practical knowledge for direct application in professional situations.

Student Outcomes

After completing the study, graduates are:

1. Competence in both oral and written English, in the contexts of general communications, academic, and work, according to the standard of quality.
2. Competence in both oral and written English for at least one field of English for Specific Purposes (ESP).
3. Able to adapt English Speaker culture through written review of literature and culture into mother tongue.
4. Able to apply concepts of language in oral and written forms through Literary and Cultural analyses.
5. Able to apply linguistic expertise to adapt culture and utilization of knowledge across sciences, into mother tongue and in various forms of text.
6. Able to communicate in cross-cultural contexts based on politeness strategies, sensitivity and respect for cultural differences, ethics, and applicable values.
7. Able to apply Information Technology and Communication in the contents of language skills, linguistics, literature, culture and society within the contexts of organization.
8. Able to translate papers in both spoken and written forms in various texts and media.
9. Able to produce various creative texts by applying the concepts of language, Literature and Culture.
10. Able to apply the concepts of English language and learning aspects of English as a foreign language.
11. Able to communicate in oral and written according to concepts of language in a cultured-business context.

Prospective Career of the Graduates

With the above-mentioned skills and knowledge, the English graduate is able to follow a career in:

1. Educational sector (language instructor, education planner)
2. Translating and interpreting field
3. Creative and publishing industries (novelist, copywriter, content writer, travel writer)
4. Civil service and Government Departments (e.g. Department of Foreign Affairs; Post and Telecommunications; Department of Commerce; Department of Finance)
5. Private sector (Human Resources; Public Relations; Training; Advertising)
6. Diplomatic service (Cultural; Education; Public Relations)
7. Self-employment: (Entrepreneur in Language school; translation bureau; and hospitality industry)
8. Post-graduate studies (S2)
9. Media and Journalism

In addition to academic activity, the English study program includes small-scale research project. The department also takes an active part in writing articles for the Language and Literature Journal (published twice a year). The research conducted during the English study program includes investigation of Language, Literature, Culture, Linguistics, and Teaching.

Curriculum

In order to equip graduates with the above-mentioned skills, the English Study Program curriculum:

1. Combines an academic atmosphere with active study so that graduates have a solid knowledge and reliable skills in Language, Literature and Culture.
2. Develops the knowledge and skills of the students in a foreign language discipline.
3. Develops the attitude and critical reasoning of students.
4. Encourages the student to develop an attitude of independent learning which will continue into their professional lives and in their approach to life-long learning.
5. Provides students with the knowledge of research techniques so that those who wish to will have the skills to study at post-graduate level.

In line with the above-mentioned skills, the English Study Program is responsive to the requirements of the global workplace. The curriculum of the English study program attempts to respond to the needs of industry and business, and as such it is categorized into groups.

Core Group

This group is designed to equip the students with the ability to use English for communication purposes, and consists of grammar, listening, speaking, writing and reading from the basic to advanced level in order that the graduates have sufficient knowledge and skills to enter the world of work.

Character Building Group

Character Building courses aim to build the character of the students in order that they will be able to interact properly in society and engage well in the workplace. In addition, the courses prepare the students to have the ability to analyze the needs of the market and their preferred profession. The graduates will also be provided with the ability to effectively and efficiently plan and organize their work well.

Stream Group

The stream group that is often referred to as Professional Enrichment in Language Group comprises four main streams, namely: Translation, Creative Writing and Media, English as Foreign Language Learning, and English for Business Professionals. The students will specialize in one of the streams and will comprise portfolios in preparing for their future in the preferred field of professions. This way the students will not only have the knowledge but also the opportunities to apply that knowledge. This streaming pathway will align with the Internship program, provided for the students to prepare their portfolios.

Elective Group

This group offers such optional courses as Introduction to Film Studies, Introduction to Indonesian Music and Culture, Broadcasting, Editing, Advertising, Popular Culture, and Public Speaking, which can be taken up separately. It has the purpose to widen the insight and knowledge of the students according to their interest and curiosity in certain knowledge areas as mentioned above. By covering various topics they will have greater opportunity to be able to apply their knowledge in the workplace.

Internship and Research Programs

As an integral process in the curriculum, students are required to implement their knowledge and skills, through Internship program. The Internship program has been deemed successful in shaping the qualification of the graduates while keeping them grounded to the needs of the wider community.

Foundations of research are provided since the first year of the study and are lead up to more focused and evidence-based small-scale research towards the later years of the study. Final year students are required to write an extensive research-based paper, called *Skripsi*, as final milestone toward the completion of the degree.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	ENGL6144	The Sound of English	4	
	ENGL6145	Intercultural and Cross-Cultural Communication*	2	
	ENGL6143	Language in Use I	4	
	SOCS6029	Indonesian Language, Culture and Society	4	
	SOCS6005	Literature and Event: The Nature of Fiction	4	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	COMP6201	Desktop Publishing	2	
	ENGL6146	Academic Writing 101	4	
	LANG6061	Indonesian	1	
	ENGL6147	Language in Use II	4	
	SOCS6006	Western Culture and Society*	4	
	ENGL6149	English Syntax	4	
3	SOCS6015	History of English Language and Literature	4	22
	ENGL6150	Language in Use III*	4	
	SOCS6007	Survey of English Prose, Poetry and Drama	4	
	ENGL7155	English Qualification	4	

Sem	Code	Course Name	SCU	Total
3	ENTR6003	Entrepreneurship I	2	22
	ENGL6151	Projects in Language, Literature and Culture	4	
4	CHAR6015	Character Building: Agama	2	22
	SOCS6008	Introduction to Language and Philosophy	4	
	SOCS6009	Literary Criticism	4	
	SOCS6020	Imagining Me: Interpersonal Communication in the Digital World* ^{&***}	4	
	Stream : Translation			
	ENGL6153	Translating Non-Fiction	4	
	ENGL8056	Editing	2	
	ENGL6152	Introduction to Stylistics	2	
	Stream : Creative Writing and Media			
	ENGL6157	Fiction & Non Fiction Writing	4	
	ENGL6162	Travel Writing	2	
	SOCS6021	Social and Digital Media Writing	2	
	Stream : English as Foreign Language Learning			
	EDUC6044	Introduction to English Language Learning	4	
	EDUC8003	English for Specific Purposes: Second Language Learning	2	
	EDUC8007	Instructional and Media Development in ESL/EFL *	2	
	Stream: English for Business Professionals			
	ENGL6154	English for Business Communications	4	
	ENGL6174	English in Marketing and Advertising*	2	
	ENGL6169	English for Professionals	2	
5	Enrichment Program I		15	15
6	ENTR6004	Entrepreneurship II	2	24
	ENGL6148	Language in Society**	4	
	RSCH6009	Methods in Language and Social Research	4	
	RSCH6010	Seminar on Research	2	
	Stream : Translation			
	ENGL6156	Translating in Legal Contexts	2	
	ENGL6161	Translating Fiction*	2	
	ENGL6160	Current Issues in Linguistics and Translation	4	
	Stream : Creative Writing and Media			
	ENGL6170	Performance Writing	2	
	ENGL6158	Writing for Children and Young Adults*	2	
	SOCS6022	Current Issues in Creative Writing	4	
	Stream : English as Foreign Language Learning			
	EDUC6045	Classroom Communication and Learning	2	
	ENGL6159	Understanding ESL/EFL Learners	2	
	EDUC6002	Current Issues in Foreign Language Learning	4	

Sem	Code	Course Name	SCU	Total
6	Stream : English for Business Professionals			24
	MGMT6156	Introduction to Leadership and Management	2	
	MKTG6112	Language Innovations in Marketing and Advertising	2	
	COMM6126	Current Issues in Business Communications	4	
	Elective Courses List***			
	ENGL8037	Popular Culture	2	
	ENGL8055	Broadcasting	2	
	ENGL8057	Advertising	2	
	ENGL6084	Introduction to Film Studies	2	
	SOCS6010	Studies in Modern literature	4	
	SOCS6030	Introduction to Pragmatics and Discourse	2	
	ENGL6087	Introduction to Indonesian Music and Culture	2	
	ENGL6164	New Media Writing	2	
	EDUC8001	Introduction to Language and Testing	2	
EDUC8005	Mobile-Assisted Language Learning	2		
7	Enrichment Program II		16	16
8	ENGL6011	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) Global Learning System Course

**) Entrepreneurship Embedded

***) Elective Courses: Students choose 4 credits from elective courses list on 6th semester

Enrichment Program I (5th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2		v					v					
3			v				v					
4				v			v					
5					v		v					
6	v							v				
7		v						v				
8			v					v				
9				v				v				
10					v			v				
11	v								v			
12		v							v			
13			v						v			
14				v					v			
15					v				v			

Track	Semester 5						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
16	v									v		
17		v								v		
18			v							v		
19				v						v		
20					v					v		
21	v										v	
22		v									v	
23			v								v	
24				v							v	
25					v						v	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENGL6186	Internship	8	
ENGL6209	Reflection on Language Performance at Work	2	
ENGL6210	Observation in Language Phenomena in Industries	2	
ENGL6211	Communication Skills in Language and Culture	3	
Enrichment Program II			16
ENGL6212	Field Work Experience	8	
ENGL6213	Reflection on Language Improvement at Work	2	
ENGL6214	Observation in Cultural Phenomena in Industries	2	
ENGL6215	Problem Solving Skills in Language and Culture	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: <i>(For students who only take Entrepreneurship track in semester 5, should take these courses:)</i>			15
ENTR6294	Business Start Up	8	
ENTR6219	Language and Culture Business Model	2	
ENTR6220	Language Business Venture	2	
ENTR6252	English for EES in Start-Up Business	3	

Code	Course Name	SCU	Total
Enrichment Program for students who take Entrepreneurship track in semester 5 and 7, should take these courses:			15
Enrichment Program I			
ENTR6294	Business Start Up	8	
ENTR6219	Language and Culture Business Model	2	
ENTR6220	Language Business Venture	2	
ENTR6252	English for EES in Start-Up Business	3	
Enrichment Program II			16
ENTR6481	Growing a Business	8	
ENTR6482	Language and Culture Business Plan	2	
ENTR6483	Language Business Venture Capital	2	
ENTR6484	English for EES in Business Experience	4	
Enrichment Program II: (For students who only take Entrepreneurship track in semester 7, should take these courses:)			
ENTR6294	Business Start Up	8	
ENTR6219	Language and Culture Business Model	2	
ENTR6220	Language Business Venture	2	
ENTR6485	English for EES in Start Up Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6226	Research Experience	8	
RSCH6167	Language and Culture Inquiry	4	
RSCH6189	EES for English Language and Culture	3	
Enrichment Program II			16
RSCH6415	Application of Research Theory	8	
RSCH6416	Language and Culture Research Framework	4	
RSCH6417	EES for English Research Practice	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6127	Community Outreach Project Implementation	8	
CMDV6084	Community Outreach Project Design in Language and Culture	4	
CMDV6105	English Learning for Employability and Entrepreneurial Skills	3	

Code	Course Name	SCU	Total
Enrichment Program II			16
CMDV6245	Community Development Project Implementation	8	
CMDV6246	Community Development Project Design in Language and Culture	4	
CMDV6247	Comprehensive English for Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for English (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
ENGL6150	Language in Use III	4	3	ENGL6147	Language in Use II	4	2
RSCH6009	Methods in Language and Social Research	4	6	ENGL6146	Academic Writing 101	4	2
ENGL6011	Thesis	6	8	RSCH6009	Methods in Language and Social Research	4	6

Note:

- Student should pass ENGL6147 Language in Use II with minimum grade C.
- Language in Use II will be priority course in scheduling examination on the first examination day. As for the grade collection will also be priority. This adjustment is because Language in Use III as prerequisite of Language in Use II available on previous semester of Language in Use II, therefore the grade should be proceed at the very first.

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	SOCS6005	Literature and Event: The Nature of Fiction*	C
4.	ENGL6147	Language in Use II*	C
5.	SOCS6009	Literary Criticism	C
6.	RSCH6009	Methods in Language and Social Research	C
Stream : Translation			
7.	ENGL6153	Translating Non-Fiction*	C
8.	ENGL6161	Translating Fiction	C
Stream : Creative Writing and Media			
7.	ENGL6157	Fiction & Non Fiction Writing*	C
8.	ENGL6170	Performance Writing	C
Stream : English as Foreign Language Learning			
7.	EDUC6044	Introduction to English Language Learning*	C
8.	EDUC6045	Classroom Communication and Learning	C
Stream : English for Business Professionals			
7.	ENGL6154	English for Business Communications*	C
8.	MKTG6112	Language Innovations in Marketing and Advertising	C

*) Tutorial & Multipaper

Psychology

Introduction

As long as human exist, the discipline of psychology can be applied in broad ranging aspects of life. Equipped with a good understanding of basic theories of psychology, individuals may be expected to work in variety of milieus. Traditional wise, psychology focuses 'only' on the study of normal and abnormal human's functioning as well as provides treatment to patients with mental and behavioral problems. Without leaving its traditional root, psychology nowadays has also touched on more practical areas, including the mental function of healthy individuals such as athletes, space explorers, stage performers, and employees, even the effect on interaction between human and computer. Department of Psychology offers an undergraduate (*Sarjana*) degree program. According to the existing National Regulation, the undergraduate psychology curriculum focus on the basic knowledge of human behavior and mental process alongside with the basic skill to design and conduct psychological research. Par excellence, at BINUS UNIVERSITY, students of Psychology will be strengthened by the understandings of urban communities' life and the use of technology to improve human performance, as the exclusive advantages to contributing in their working community.

Vision

By 2020, being a respected educational institution in the field of applied psychology that produces graduates who mastered the substance of science of psychology and equipped with specific knowledge and skills in information and communication technology.

Mission

The mission of Psychology Department is to contribute to the global community through the provision of world-class education by:

1. Educating students from diverse background with the fundamental skills, knowledge and practice of psychology that are supported by information and communication technology, to prepare them for the career world and/or continue advanced degrees in psychology or other disciplines.
2. Intensifying the research ethos and the societal involvement activities, which are directly linked to the national attributes and supported with the latest academic environment and materials.
3. Developing and acknowledging all talents for the purpose of positively contributing to the quality of life of industrial community, both nationally and globally.
4. Creating global leaders who distinguish themselves as professional in human intervention with psychological knowledge and skills in their work organizations and communities.
5. Conducting professional service and career development in psychology and its related area with a emphasis of application of knowledge and quality of life to the society.

Program Objective

The objectives of the program are:

1. To provide students with knowledge of the systematic study of human behaviour and mental processes, and its systematic application.
2. To sharpen graduates' readiness for employment, graduate school or professional school, especially by equipping them with solid skills in the use of technology applications related to psychology.
3. To facilitate students in the development of their responsible behaviour, both ethically and socially, for professional and personal settings in a landscape that involves diversity.

Student Outcomes

After completing the study, graduates are:

1. Able to use scientific idea to interpret psychological phenomena.
2. Able to be engaged in idea and psychological problem-solving innovative and integrative.
3. Able to interpret, design, and conduct psychological basic research.
4. Able to integrate socialcultural factors in psychology research.
5. Able to apply ethical guidelines to evaluate a research and psychological application.
6. Able to demonstrate effective writing skills for various purposes relating to the research and psychology application.
7. Able to demonstrate effective presentation skills to communicate the research and psychological application.
8. Able to apply psychological knowledge and skills for career purposes.
9. Able to develop meaningful of professional goals after graduating.
10. Able to develop and arrange the measurements in non-clinical psychology area theory based and psychological principles.

Prospective Career of the Graduates

After finishing the study, the graduates have an ideal foundation to enter many career opportunities, such as in:

1. Training and Development Program Facilitator
2. Community Development Program Facilitator
3. Instructional Design Consultant
4. Assistant Psychologist
5. Human Resource Management
6. Consultant in various areas of psychology, such as education and human performance
7. Academic career
8. Counselor
9. Research Assistant
10. Psychological Test Administrator
11. Entrepreneur

Curriculum

The curriculum of undergraduate degree of Psychology in BINUS UNIVERSITY is based on the National Curriculum and mutual agreement among the members of Indonesian Psychology Colloquium Forum. To cope with the global trend of the discipline of psychology, the Department of Psychology of BINUS UNIVERSITY also expands its curriculum by incorporating the ten areas of development of psychology as defined by the American Psychological Associations. To strengthen our students' skills and understanding of the application of psychological theories in working and social life, we designed a curriculum and academic environment that focuses on the human performance intervention. The intervention is focused on three streaming:

1. Educational Psychology

This stream focuses on the application of psychological principles in the areas of education and designing of instructional design

2. Community Psychology

This stream focuses on the application of psychological principles in designing social intervention program to improve communities' quality of life

3. Industrial & Organizational Psychology

This stream focuses on the application of psychological principles in designing training and development program to improve team and individual performance.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	PSYC6004	Introduction to Psychology	2	
	PSYC6120	Biological Psychology	2	
	STAT6109	Statistics for Psychology**	2/2	
	PSYC6134	The Origins of Psychology	2	
	PSYC6135	Social Sciences for Psychology**	4	
	PSYC6133	Logic and Scientific Writing	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
2	ENGL6130	English for Business Presentation	2	21
	PSYC6136	Theories of Developmental Psychology	2	
	PSYC6065	Learning and Cognitive Psychology	4	
	PSYC6122	Social Psychology**	4	
	PSYC6121	Methodology of Psychological Research: Quantitative Approach**	4	
	PSYC6137	Psychometrics	2	
	ENTR6003	Entrepreneurship I	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	

Sem	Code	Course Name	SCU	Total
3	PSYC6018	Methods of Observation and Interview**	2/2	24
	PSYC6138	Lifespan Development	4	
	PSYC6066	Personality Psychology	6	
	PSYC6053	Industrial and Organizational Psychology***	4	
	PSYC6123	Educational Psychology	2	
	PSYC6022	Experimental Methods in Psychology**	2/2	
4	CHAR6014	Character Building: Kewarganegaraan	2	20
	ENTR6004	Entrepreneurship II	2	
	PSYC6132	Psychological Test Construction	6	
	PSYC6140	Counseling Psychology**	2	
	PSYC6139	Introduction to Psychological Intervention	2	
	PSYC6030	Clinical Psychology	4	
	PSYC6141	Introduction to Psychodiagnostics	2	
5	CHAR6015	Character Building: Agama	2	24
	PSYC8080	Assessment Center Methods	2/2	
	PSYC6146	Methodology of Psychological Research: Qualitative Approach	2	
	Stream : Educational Psychology			
	PSYC6124	Psychology of Early Childhood Education	4	
	PSYC6125	Psychology of Special Needs Education	4	
	PSYC6083	E-Learning Psychology**	2	
	PSYC8126	Psychology of Instructional Design***	6	
	Stream : Community Psychology			
	PSYC6145	Urban Psychology**	4	
	PSYC6127	Indigenous Psychology*	4	
	PSYC8060	Psychology of Public Policy*	2	
	PSYC8128	Psychology of Social Intervention***	6	
	Stream: Industrial & Organizational Psychology			
	PSYC6129	Organizational Behavior and Leadership**	4	
	PSYC6130	Human Performance Technology*	4	
	PSYC8087	Psychological Approach on Knowledge Management	2	
	PSYC8131	Psychology of Training & Development***	6	
6	Enrichment Program I		15	15
7	Stream : Educational Psychology			16
	Enrichment Program II		16	
	Stream : Community Psychology			
	Enrichment Program II		16	
	Stream : Industrial & Organizational Psychology			
	Enrichment Program II		16	

Sem	Code	Course Name	SCU	Total
8	Stream : Educational Psychology			6
	PSYC6095	Thesis	6	
	Stream : Community Psychology			
	PSYC6096	Thesis	6	
	Stream: Industrial & Organizational Psychology			
	PSYC6097	Thesis	6	
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	
6		v					v					
7		v						v				
8		v							v			
9		v								v		
10		v									v	
11				v			v					
12				v				v				
13				v					v			
14				v						v		
15				v							v	
16			v				v					
17			v					v				
18			v						v			
19			v							v		
20			v								v	

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
21					V		V					
22					V			V				
23					V				V			
24					V					V		
25					V						V	
26	V											V
27		V										V
28			V									V
29				V								V
30					V							V
31						V	V					
32						V		V				
33						V			V			
34						V				V		
35						V					V	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
PSYC6142	Psychology in Practice	8	
PSYC6143	Current Issues in Psychology	4	
PSYC6157	Employability and Entrepreneurial Skill: Self-Management, Communication, Planning & Organizing	3	
Enrichment Program II			16
PSYC6147	Psychology Research Proposal	4	
PSYC6158	Employability And Entrepreneurial Skill: Team Work, Initiative & Enterprise, Problem Solving & Decision Making	4	
Stream : Educational Psychology			
PSYC6103	Internship in Educational Psychology	8	
Stream : Community Psychology			
PSYC6119	Internship in Community Psychology	8	
Stream : Industrial & Organizational Psychology			
PSYC6118	Internship in Industrial and Organizational Psychology	8	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: <i>(For student who only take Entrepreneurship track in semester 6, should take these courses)</i>			15
ENTR6299	Business Start Up	8	
ENTR6231	Psychology & Entrepreneurship: Business Model & Validation	2	
ENTR6232	Psychology & Entrepreneurship: Launching New Venture	2	
ENTR6315	EES in New Business	3	
For student who take Entrepreneurship track in semester 6 and 7, should take these courses:			
Enrichment Program I			
ENTR6299	Business Start Up	8	
ENTR6231	Psychology & Entrepreneurship: Business Model & Validation	2	
ENTR6232	Psychology & Entrepreneurship: Launching New Venture	2	
ENTR6315	EES in New Business	3	
Enrichment Program II			16
ENTR6313	Growing a Business	8	
ENTR6233	Psychology & Entrepreneurship: Lean Start Up & Business Plan	2	
ENTR6234	Psychology & Entrepreneurship: Venture Capital	2	
ENTR6314	EES in Business Experience	4	
Enrichment Program II: <i>(For student who only take Entrepreneurship track in semester 7, should take these courses)</i>			
ENTR6299	Business Start Up	8	
ENTR6231	Psychology & Entrepreneurship: Business Model & Validation	2	
ENTR6232	Psychology & Entrepreneurship: Launching New Venture	2	
ENTR6308	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6231	Research Experience	8	
RSCH6234	Scientific Writing	4	
RSCH6348	Global EES: Team Work, Communication, Problem Solving & Decision Making	3	
Enrichment Program II			16
RSCH6349	Research Assistantship	8	
RSCH6350	Scientific Report Writing	4	
RSCH6351	Global EES: Self-Management, Planning & Organizing, Initiative & Enterprise	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6133	Community Outreach Project Implementation	8	
CMDV6136	Community Outreach Project Design	4	
CMDV6146	Employability and Entrepreneurial Skills in Community	3	
Enrichment Program II			16
CMDV6143	Community Development Project Implementation	8	
CMDV6144	Community Development Project Design	4	
CMDV6145	Employability and Entrepreneurial Skills in Community Development	4	

Enrichment Study Abroad Track

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	

Code	Course Name	SCU	Total
GLOB6024	Elective Course for Study Abroad 20	2	16
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for Psychology (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
PSYC6022	Experimental Methods in Psychology	2/2	3	STAT6109	Statistics for Psychology	2/2	1
PSYC6066	Personality Psychology	6	3	PSYC6134	The Origins of Psychology	2	1
PSYC6132	Psychological Test Construction	6	4	PSYC6137	Psychometrics	2	2
PSYC6146	Methodology of Psychological Research: Qualitative Approach	2	5	PSYC6121	Methodology of Psychological Research: Quantitative Approach	4	2
PSYC6095	Thesis	6	8				
PSYC6096	Thesis	6	8				
PSYC6097	Thesis	6	8				

For PSYC6121 - Methodology of Psychological Research: Quantitative Approach subject, the minimum grade is C.

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	PSYC6004	Introduction to Psychology	C
4.	PSYC6121	Methodology of Psychological Research: Quantitative Approach*	C
5.	PSYC6066	Personality Psychology	C
6.	PSYC6132	Psychological Test Construction*	C
7.	PSYC6140	Counseling Psychology	C
Stream : Educational Psychology			
8	PSYC8126	Psychology of Instructional Design*	C
Stream : Community Psychology			
8	PSYC8128	Psychology of Social Intervention*	C
Stream : Industrial & Organizational Psychology			
8	PSYC8131	Psychology of Training & Development*	C

*) Tutorial & Multipaper

Business Law

Introduction

Law is one of the most apparent pillar of a cultured and civilized society. Therefore, apart from abiding the law, to understand law is a must. This is why Bina Nusantara University chooses to open a program in law. Business Law is selected as the main study for the program. It is expected that the program would create graduates that are technically competent in practicing principles of Business Law in its utmost integrity. Integrity in education is one of the highest value.

Vision

By 2020, Business Law Department of BINUS UNIVERSITY becomes a leading business law study program (center) with global competencies based on information and communication technology.

Mission

The mission of Business Law Department is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental knowledge, skill, and professionalism in the areas of business law based on ICT by providing them with excellent courses and internships in dealing with global challenges.
2. Contributing in enhancing both legal theories as well as legal practices, especially in the research areas of business law based on ICT.
3. Providing legal professional services to meet the needs of business communities benefitting the “Nusantara” society-at-large.
4. Creating outstanding potential leaders by taking advantage of any opportunities to broaden their perspectives in applying the legal theories and practices.
5. Taking a part in the efforts to improve the quality of life of Indonesians through international collaborative partnership with various institutions.

Program Objectives

The objectives of the program are:

1. To provide students which solid foundation of law knowledge from fundamental principles to applied skills and abilities they will need in law and information technology practice.
2. To prepare students with necessary skills and knowledge to be successful in law industries carrier.
3. To prepare students with strong foundation on law and ethics they will need in business area.

Student Outcomes

After completing the study, graduates are:

1. Able to organize a real business case into a structure of legal problem in the framework of Indonesian legal sources related to the ICT-based business areas in order to solve the problem facing both national and multinational business-law communities.
2. Able to develop dispute resolution patterns in term of business dispute that conforms to the perspectives of national and multinational business-law.

3. Competence in relevant legal reasoning skills by exploring various law-making methods as known in the discourse of legal discipline and then offering legal solutions in a comprehensive way by showing strengths and weaknesses of the respective alternatives of solution.
4. Able to argue both in the format of verbal legal debate and written elementary legal-document, completed with contextual data/information that can be collected in at least two semesters of internship program.
5. Able to take to optimally use information technology to improve student's performance.
6. Able to analyze the current issues in business law.

Prospective Career of the Graduates

Study Program Business Law at the undergraduate level (S1) basically provides many practical sciences that can be applied directly in the working world, for the choice of profession in study program include: litigation lawyers, in-house lawyers, IPR consultant, consultant in capital market, bankruptcy curator, mediators, arbiters, judges, prosecutors, or public notaries.

Curriculum

BINUS Business Law Program offers a wide selection of law courses. The curriculum is especially designed to assist our law students in planning their interests in studying business law in Indonesia as well as in global arenas. A baccalaureate degree in law (sarjana hukum) must contain a total of 146 credits, including 32 credits for enrichment programs.

The structure of legal science taught in this program is divided into four topical categories called course clusters. Each course cluster consists of several courses, but certain courses may be associated with more than one course clusters. The clusters are as follows:

1. **Fundamentals of Law.** A set of subject matters which is designed to give students with sufficient understanding of legal principles. These subject matters are very essential components of students' knowledge in learning legal science. They provide students with underlying bases for grasping more specific knowledge and skills in term of business law (BL).
2. **Fundamentals of Business Law.** A specified formation of law that consists of theoretic and dogmatic legal science, especially in business contexts, composed for supporting students' comprehension on international trade & commerce law (ITC Law) and information & communication technology law (ICT Law). The term "Business Law" is used here underpinning the core or concentration of BINUS BL Department.
3. **International Trade & Commerce Law (ITC Law).** ITC Law is one of two subtopic areas of business law offered in BL program. It is an exciting comprehension series that provides full coverage of basic skills needed in analyzing legal problems in international business transactions.
4. **Information & Communication Technology Law (ICT Law).** ICT Law is another subtopic area of business law offered in BL program. It is also an interesting series that provides basic skills needed in addressing legal problems related to the application of ICT in business activities.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	LAWS6001	Theory of State	2	
	LAWS6080	Introduction to Jurisprudence	4	
	LAWS6081	Introduction to Indonesian Legal System	4	
	LAWS6082	Empirical Legal Sciences	4	
	LAWS6009	Islamic Law*	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	LAWS6084	Private Law	4	
	LAWS6008	Criminal Law**	4	
	LAWS6085	International Law*	4	
	LAWS6083	Constitutional Law**	4	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	LAWS6058	Administrative Law	2	20
	LAWS6086	Procedural Law**	6	
	LAWS6087	Adat & Agrarian Law	2	
	LAWS6088	Principles of Business Law	4	
	LAWS6021	Consumer Protection Law*&***	2	
	ENTR6003	Entrepreneurship I	2	
	CHAR6015	Character Building: Agama	2	
	LAWS6089	Islamic Business Law*&***	2	
4	LAWS6090	Investment Law***	4	24
	LAWS6017	Intellectual Property Rights*&***	4	
	LAWS6091	Banking and Financial Law	2	
	LAWS6092	Business Competition Law**	2	
	LAWS6093	Alternative Business Dispute Resolution	4	
	LAWS6094	Cyber Law	4	
	LAWS6062	Private International Law*	2	
	LAWS6029	Legal Research Methods	4	
5	LAWS6098	Legal Philosophy & Legal Ethics*	4	24
	LAWS6016	Labor Law*&***	2	
	LAWS6096	E-Commerce & Data Privacy Law***	4	
	LAWS6099	Legal Reasoning*	4	
	LAWS6100	Capita Selecta	4	
	ENTR6004	Entrepreneurship II	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	LAWS6048	Thesis	6	6
			TOTAL CREDITS 146 SCU	

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	V						V					
2		V						V				
3			V						V			
4				V						V		
5					V						V	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
LAWS6101	Internship I	8	
LAWS6102	Legal Problem Identification in Industry	2	
LAWS6103	Legal Sources Analysis in Industry	2	
LAWS6120	Team Work & Communication in Industry I	3	
Enrichment Program II			16
LAWS6105	Internship II	8	
LAWS6106	Legal Problem Solving in Industry	2	
LAWS6107	Legal Decision Making in Industry	2	
LAWS6108	Team Work & Communication in Industry II	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6319	Business Start Up	8	
ENTR6155	Legal Aspect in Business Model & Validation	2	
ENTR6156	Legal Aspect in New Venture	2	
ENTR6372	EES in New Business	3	
Enrichment Program II			16
ENTR6351	Growing a Business	8	
ENTR6157	Legal Aspect in Lean Start Up & Business Plan	2	
ENTR6158	Legal Aspect in Venture Capital	2	
ENTR6362	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6241	Research Experience I	8	
RSCH6117	Academic Writing I	4	
RSCH6288	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			16
RSCH6256	Research Experience II	8	
RSCH6118	Academic Writing II	4	
RSCH6264	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6150	Community Outreach Project Implementation	8	
CMDV6163	Community Outreach Project Design	4	
CMDV6196	Employability and Entrepreneurial Skills in Business Law Community	3	
Enrichment Program II			16
CMDV6182	Community Development Project Implementation	8	
CMDV6188	Community Development Project Design	4	
CMDV6191	Employability and Entrepreneurial Skills in Business Law Community Development	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*)Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	LAWS6080	Introduction to Jurisprudence*	C
4.	LAWS6081	Introduction to Indonesian Legal System	C
5.	LAWS6088	Principles of Business Law	C
6.	LAWS6008	Criminal Law	C
7.	LAWS6084	Private Law*	C
8.	LAWS6094	Cyber Law*	C

*) Tutorial & Multipaper

International Relations

Introduction

The dynamic of the development of international affairs has shown a remarkable pace. Hence, the need of International Relations graduates to work in the field is always high. UBINUS wishes to contribute to the development of Indonesia through its competent and skillful International Relations graduates.

Vision

To become a world class International Relations education and research institution focused on Asia Pacific that contributes to world peace and prosperity.

Mission

The mission of International Relations Department is to contribute to the global community through the provision of world-class education by:

1. To educate students with the fundamental knowledge, understanding, skills, analytical tools, and practices of International Relations by providing an excellent teaching with a world class standard curriculum
2. To be part of a widely-recognised strategic cross sectors-networks of International Relations in order to serve Indonesia's national interest in the global community
3. To conduct research with rigorous and cross-disciplinary approach towards the state of the art of International Relations studies underpinned by an outstanding research environment
4. To equip students with key diplomatic and negotiation skills in foreign languages to prepare them for future careers in a dynamic international environment

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of knowledge and understanding of International Relations theory and research skills that will be beneficial in analysing international affairs
2. To provide students with broader scope and depth of academics and horizon through shared knowledge, experience and connection to the global players in public, private and non-profit sectors

3. To prepare students with understanding of International Relations' contemporary issues, information and communication skills, foreign languages capability, and basic skills of negotiation and diplomacy successfully employed into practices of International Relations

Student Outcomes

After completing the study, graduates are:

1. Able to analyze global and policy issues in the area of economic, politics, business, social, and culture, both in government as well as in private institution.
2. Able to carry out arbitration, facilitation, and mediation processes in order to solve conflicts both at the national and global level.
3. Able to conduct public relations, manage public opinion, and practice cross-cultural communication.
4. Able to conduct a bilateral and multilateral negotiation in social and business international contexts.
5. Able to apply knowledge and analysis of multinational corporations in order to competently provide support for; policy making and application; strategic planning; bilateral and multilateral negotiation and; program monitoring and evaluation.
6. Able to apply knowledge and analysis of trade and business in order to competently provide support for; policy making and application; strategic planning; bilateral and multilateral negotiation and; program monitoring and evaluation.
7. Able to apply knowledge and analysis of media in order to competently provide support for; policy making and application; strategic planning; bilateral and multilateral negotiation and; program monitoring and evaluation.
8. Able to apply knowledge and analysis of security in order to competently provide support for; policy making and application; strategic planning; bilateral and multilateral negotiation and; program monitoring and evaluation.
9. Able to demonstrate competence in analytical writing and communication skills.

Prospective Career of the Graduates

1. Diplomat with Ministry of Foreign Affairs.
2. Negotiator in the international treaties acting on behalf of the state as well as multinational corporation.
3. Analyst and/or local staff in accredited foreign embassies and international organizations in Indonesia.
4. Government relations officer.
5. Program analyst in Ministry of Defense.
6. Program analyst in Ministry of Trade and Industry.
7. Program analyst or researchers in Indonesia Investment Coordinating Board.
8. Analyst or researchers of International Relations in university or research centers.
9. Lecturer/Researcher in university.
10. Risk analyst in Multinational Corporations.
11. A journalist in national and international news agency.
12. Researcher in national and international research centers.
13. Expert staff in parliament.
14. Program analyst or planner in central and regional government.
15. Program officer in non governmental organisations.

Curriculum

The curriculum of International Relations Department lies on strong foundation of core curriculum, concentration, and foreign languages proficiency. It combines the national and international standard curriculum, strengthened by internship program and research.

- **Concentration:** International Relations (IR) UBINUS offers concentrations which have not been offered by other universities, namely International Political Economy of Multinational Corporation; Business and Trade Diplomacy in Asia Pacific; Media International Organization and Global Governance; and Strategic and Security Studies.
 - *Multinational Corporations (MNC)*
 - It focuses on how multinational corporations (MNC) become important and significant non-state actor in International Relations. Students will learn various topics such as the rise and fall of multinational corporations, international political economy of MNC; dynamics interaction between states and MNC in globalization era, MNC and social responsibility; and MNC's global strategy.
 - *Trade and Business Diplomacy*
 - It focuses on role of business and trade diplomacy in International Relations. Students will learn topics such as global economic architecture; risk analysis in International Relations; WTO and trade diplomacy; and Indonesian's trade policy in an era of free competition.
 - *Media, International Organizations, and Global Governance*
 - It focuses on the important role of media and international organizations in shaping global governance. Students will learn topics such as the role of international media in a global world; development of information technology and warfare; and the role of Indonesia in the global governance.
 - *Security Studies*
 - It focuses on dynamic interaction among states in assessing power in the anarchical world affairs. Students will learn topics such as global security architecture; strategic industry and global security; conflict and peace studies; and terrorism era: economic, social, political and security impacts.
- **Enrichment Program:** International Relations (IR) UBINUS also offers an enrichment program that provides students with a unique learning experience, including industrial experience, internship in national/international organizations, study abroad, entrepreneurship, and experience in conducting research as well as community development projects. This one year period program is also aimed at helping students develop not only their hard skills but also their soft skills. Among the soft skills that students are expected to develop are International Business Report Writing, International Trade Analysis Writing, Journalistic Writing for International Relations, Security Analysis Writing, International Business Presentation Skill, Negotiation Skill in Business Diplomacy, Reporting Skill in International Setting, and Persuasion and Influencing Skill.

Foreign language proficiency

As English will be designed as a mandatory language, students will also be taught one United Nations (UN) official languages based on students own choice, enriched with cultural knowledge for business purposes Students can choose one foreign language from the languages listed below:

- Chinese
- Japanese
- French
- Spanish
- Arabic

Perspective and Approach

IR UBINUS applies various perspectives of International Relations combined with a multi-disciplinary approach to analyse a variety of international relations issues in national, regional, and global levels.

Learning Method

IR UBINUS trains students to think critically, informative, and analytic that rest on student-centred learning and Global Learning System.

Competent Lecturers

Our lecturers earned Ph.D. and master degree from reputable overseas and domestic universities with various specialization in International Relations and have written books, articles both in international and national journals, and opinion in media and newspaper.

Network

A strong network among academia, government, professional, and civil societies from both national and international.

Distinct Facility

IR UBINUS has been equipped with Model United Nations (MUN) conference room as a miniature of the United Nations assembly for diplomatic simulation.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	INTR6001	Indonesia in Perspectives*	4	
	INTR6002	Introduction to International Relations**	4	
	INTR6003	Modern World History*	4	
	SOCS6039	Foundation in Social Science	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	INTR6005	Introduction to International Trade and Business*&***	4	
	INTR6006	Introduction to Security Studies*&***	4	
	INTR6008	Modern Theories of International Relations	4	
	LANG6061	Indonesian	1	
	Foreign Language Elective Courses I***			
	CHIN6103	Introductory Chinese I	4	
	JAPN6111	Introductory Japanese I	4	
	LANG6044	Introductory Arabic I	4	
	LANG6046	Introductory French I	4	
	LANG6048	Introductory Spanish I	4	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	

Sem	Code	Course Name	SCU	Total
3	CHAR6015	Character Building: Agama	2	24
	INTR6007	International Relations Research Method	4	
	INTR6009	Diplomacy and International Politics*&***	4	
	INTR6085	Contemporary Issues in Global Politics*&***	4	
	INTR6010	Indonesia's Foreign Policy*&***	4	
	ENTR6003	Entrepreneurship I	2	
	Foreign Language Elective Course II***			
	CHIN6104	Introductory Chinese II	4	
	JAPN6112	Introductory Japanese II	4	
	LANG6045	Introductory Arabic II	4	
	LANG6047	Introductory French II	4	
	LANG6049	Introductory Spanish II	4	
4	INTR6108	An ASEAN Community : Security, Economy and Society**	4	23
	INTR6017	Foreign Policy of Developed Countries	4	
	INTR6134	International Organization in International Relations*&***	4	
	INTR6075	International Law Issues and International Dispute Settlement	4	
	ENTR6001	Business Project I	1	
	Stream : Multinational Corporations			
	INTR8055	The Rise and Fall of Multinational Corporations*	2	
	INTR6026	Indonesia and International Development*	4	
	Stream: Trade and Business Diplomacy			
	INTR6099	International Political Economy of Development*	2	
	INTR8014	Global Economic Architecture*	4	
	Stream : Contemporary Issues and New Media			
	INTR8043	International Media and State Role*	4	
	INTR6131	Media and Cyber Security	2	
	Stream : Security Studies			
	INTR8016	Global Security Architecture*	4	
	INTR6107	Terrorism: Causes and Impacts*	2	
5	Stream : Multinational Corporations			15
	Enrichment Program I		15	
	Stream : Trade and Business Diplomacy			
	Enrichment Program I		15	
	Stream : Contemporary Issues and New Media			
	Enrichment Program I		15	
	Stream : Security Studies			
6	Stream : Multinational Corporations			16
	Enrichment Program II		16	
	Stream : Trade and Business Diplomacy			
	Enrichment Program II		16	

Sem	Code	Course Name	SCU	Total
6	Stream : Contemporary Issues and New Media			16
	Enrichment Program II		16	
	Stream : Security Studies			
	Enrichment Program II		16	
7	ENTR6004	Entrepreneurship II	2	21
	ENTR6002	Business Project II	1	
	INTR6088	Thesis Writing Workshop	2	
	Regionalism Elective Courses***			
	INTR8030	Political Economy and Regional Integration in Europe	4	
	INTR8031	Political Economy and Regional Integration in East Asia	4	
	INTR8032	Political Economy and Regional Integration in America	4	
	INTR8033	Political Economy and Regional Integration in Africa and Middle East	4	
	Stream : Multinational Corporations			
	INTR8035	International Political Economy of Multinational Corporations*	4	
	INTR8036	Multinational Corporation's Global Strategy*	4	
	INTR8034	Multinational Corporations and Social Responsibility	4	
	Stream : Trade and Business Diplomacy			
	INTR6039	Indonesia's Trade Policy in An Era of Free Competition*	4	
	INTR8040	Economic Diplomacy of China and India*	4	
	INTR8038	WTO and Trade Diplomacy	4	
	Stream: Contemporary Issues and New Media			
	INTR8042	Media, War and Peace	4	
	INTR8027	National Identity in a Global World	4	
	INTR8015	International Communication and Multiculturalism*	4	
	Stream : Security Studies			
	INTR8045	Conflict and Peace Studies*	4	
	INTR8029	The Indonesian Defense Strategy*	4	
	INTR8023	Strategic Industry and Global Security	4	
8	INTR6048	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Elective Courses:

- Foreign Language Elective Course I: Student required to choose 1 foreign language course from semester 2 (4 credits)
- Foreign Language Elective Course II: Student required to choose 1 foreign language course from semester 3 (4 credits). Chosen foreign language courses in semester 3, same with chosen foreign language courses in semester 2

- *Regionalism Elective Courses: Student will choose 1 course (4 credits) from Regionalism Elective Courses list on 7th semester*

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (5th Semester) & Enrichment Program II (6th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 5						Semester 6					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	V						V					
2	V							V				
3	V								V			
4	V									V		
5	V										V	
6		V					V					
7		V						V				
8		V							V			
9		V								V		
10		V									V	
11			V				V					
12			V					V				
13			V						V			
14			V							V		
15			V								V	
16				V			V					
17				V				V				
18				V					V			
19				V						V		
20				V							V	
21					V		V					
22					V			V				
23					V				V			
24					V					V		
25					V						V	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
INTR6121	Industrial Experience in International Relations	8	
INTR6122	Scholarly Writing in International Relations	4	
INTR6123	EES in International Relations	3	
Enrichment Program II			16
INTR6124	Professional Experience in International Relations	8	
INTR6125	Report Writing in International Relations	4	
INTR6126	Professional Development in International Relations	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: (For student who only take Entrepreneurship track in semester 5, should take these courses:)			15
ENTR6296	Business Start Up	8	
ENTR6215	Business Model & Validation for International Relations Students	2	
ENTR6216	Launching New Ventures for International Relations Students	2	
ENTR6238	EES in New Business for International Relations	3	
For student who take Entrepreneurship track in semester 5 and 6, should take these courses:			
Enrichment Program I			
ENTR6296	Business Start Up	8	
ENTR6215	Business Model & Validation for International Relations Students	2	
ENTR6216	Launching New Ventures for International Relations Students	2	
ENTR6238	EES in New Business for International Relations	3	
Enrichment Program II			16
ENTR6310	Growing a Business	8	
ENTR6217	Lean Start Up & Business Plan for International Relations Students	2	
ENTR6218	Venture Capital for International Relations Students	2	
ENTR6240	EES in Business Experience for International Relations	4	
Enrichment Program II: (For student who only take Entrepreneurship track in semester 6, should take these courses:)			
ENTR6296	Business Start Up	8	
ENTR6215	Business Model & Validation for International Relations Students	2	
ENTR6216	Launching New Ventures for International Relations Students	2	
ENTR6239	EES in New Business for International Relations	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6331	Research Design in International Relations	8	
RSCH6165	Scientific Writing for International Relations	4	
RSCH6332	Capacity Building in International Relations	3	
Enrichment Program II			16
RSCH6333	Research Experience in International Relations	8	
RSCH6334	Academic Writing for International Relations	4	
RSCH6186	Global EES for International Relations	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6130	Community Outreach Project Implementation	8	
CMDV6081	Community Outreach Project Design for International Relations Students	4	
CMDV6099	Employability and Entrepreneurial Skills in International Relations Community	3	
Enrichment Program II			16
CMDV6141	Community Development Project Implementation	8	
CMDV6082	Community Development Project Design for International Relations Students	4	
CMDV6100	Employability and Entrepreneurial Skills in International Relations Community Development	4	

Enrichment Study Abroad Track

Enrichment Study Abroad Track			
Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

Code	Course Name	SCU	Total
GLOB6041	Elective Course for Study Abroad 25	3	15
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	INTR6002	Introduction to International Relations	C
4.	INTR6008	Modern Theories of International Relations*	C
5.	INTR6010	Indonesia's Foreign Policy	C
6.	INTR6017	Foreign Policy of Developed Countries*	C
Stream : Multinational Corporations			
7.	INTR6026	Indonesia and International Development	C
8.	INTR8035	International Political Economy of Multinational Corporations*	C
Stream : Trade and Business Diplomacy			
7.	INTR8014	Global Economic Architecture	C
8.	INTR6039	Indonesia's Trade Policy in An Era of Free Competition*	C
Stream : Contemporary Issues and New Media			
7.	INTR8015	International Communication and Multiculturalism	C
8.	INTR8043	International Media and State Role*	C
Stream : Security Studies			
7.	INTR8029	The Indonesian Defense Strategy*	C
8.	INTR8016	Global Security Architecture	C

*) Tutorial & Multipaper

International Relation Global Class**Courses Structure**

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	INTR6001	Indonesia in Perspectives	4	
	INTR6002	Introduction to International Relations*	4	
	INTR6003	Modern World History	4	
	SOCS6039	Foundation in Social Science	4	
	ENGL6132	English Access	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	INTR6005	Introduction to International Trade and Business*	4	
	INTR6006	Introduction to Security Studies*	4	
	INTR6008	Modern Theories of International Relations	4	
	ENGL6133	English Global	2	
	LANG6061	Indonesian	1	
	Foreign Language Elective Course I**			
	CHIN6103	Introductory Chinese I	4	
	JAPN6111	Introductory Japanese I	4	
	LANG6044	Introductory Arabic I	4	
	LANG6046	Introductory French I	4	
	LANG6048	Introductory Spanish I	4	
3	CHAR6015	Character Building: Agama	2	22
	INTR6007	International Relations Research Method	4	
	INTR6009	Diplomacy and International Politics*	4	
	INTR6085	Contemporary Issues in Global Politics*	4	
	ENTR6003	Entrepreneurship I	2	
	ENGL6134	English for Academic Writing	2	
	Foreign Language Elective Course II**			
	CHIN6104	Introductory Chinese II	4	
	JAPN6112	Introductory Japanese II	4	
	LANG6045	Introductory Arabic II	4	
	LANG6047	Introductory French II	4	
	LANG6049	Introductory Spanish II	4	
4	INTR6114	An ASEAN Community: Security, Economy and Society*	4	23
	INTR6134	International Organization in International Relations*	4	
	INTR6017	Foreign Policy of Developed Countries	4	
	INTR6010	Indonesia's Foreign Policy*	4	
	ENTR6001	Business Project I	1	
	INTR6075	International Law Issues and International Dispute Settlement	4	

Sem	Code	Course Name	SCU	Total
4	Regular Introductory Topics***			23
	INTR8055	The Rise and Fall of Multinational Corporations	2	
	INTR6099	International Political Economy of Development	2	
	INTR6131	Media and Cyber Security	2	
	INTR6107	Terrorism: Causes and Impacts	2	
5	Elective courses list for study abroad			15
	GLOB6029	Elective Course 1	4	
	GLOB6030	Elective Course 2	4	
	GLOB6031	Elective Course 3	4	
	GLOB6032	Elective Course 4	4	
	GLOB6033	Elective Course 5	2	
	GLOB6034	Elective Course 6	2	
	GLOB6035	Elective Course 7	2	
	GLOB6036	Elective Course 8	2	
	GLOB6037	Elective Course 9	2	
	GLOB6038	Elective Course 10	2	
	GLOB6039	Elective Course 11	2	
	GLOB6040	Elective Course 12	2	
	GLOB6083	Elective Course 13	3	
	GLOB6084	Elective Course 14	1	
6	ENTR6004	Entrepreneurship II	2	21
	ENTR6002	Business Project II	1	
	INTR6088	Thesis Writing Workshop	2	
	Regionalism Courses****			
	INTR6078	The EU and European Integration	4	
	INTR6079	Regionalism in East Asia and the Pacific	4	
	INTR6080	Regionalism in the Americas	4	
	INTR6081	Regionalism in Africa and the Middle East	4	
	Regular Topics***			
	INTR8035	International Political Economy of Multinational Corporations	4	
	INTR6039	Indonesia's Trade Policy in An Era of Free Competition	4	
	INTR8029	The Indonesian Defense Strategy	4	
	INTR8043	International Media and State Role	4	
	Specialized Topics***			
	INTR6082	Selected Topics in International Political Economy	4	
	INTR6083	Selected Topics in Peace and Security	4	
	INTR6084	NGOs and Civil Society Politics	4	
	INTR6086	The Rise and Fall of the Asian Economic Miracle	4	
	INTR8036	Multinational Corporation's Global Strategy	4	
	INTR6110	The Dynamics of Cross-Strait Relations	4	
	INTR6111	International Migration: Governance and Rights	4	

Sem	Code	Course Name	SCU	Total
7	Enrichment Program		16	16
8	INTR6048	Thesis	6	8
	Intermediate Theory*****			
	INTR6112	Great Debates in International Relations	2	
	INTR6113	Selected Readings in Critical Theory	2	
TOTAL CREDITS 146 SCU				

*) Global Learning System Course

**) Foreign Language Elective Course:

- Foreign Language Elective Course I: Student should choose 1 foreign language course start from semester 2 (4 Credits)
- Foreign Language Elective Course II: Student should choose 1 same foreign language courses as chosen in semester 2 (4 Credits), on 3rd semester

***) Topics Course List:

- Regular Introductory Topics: Students should choose 1 course (2 Credits) on 4th semester
- Regular Introductory Topics: Students should choose one course (4 Credits) on 6th semester
- Specialized Topics: Students should choose two courses (8 Credits) on 6th semester

****) Regionalism Courses: Student should choose one course (4 Credits) on 6th semester

*****) Intermediate Theory: Students should choose one course (2 Credits) on 8th semester

Elective Courses List for Study Abroad (5th Semester):

-) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits

Enrichment Program (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1					V		V					
2					V			V				
3					V				V			
4					V					V		
5					V						V	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
INTR6121	Industrial Experience in International Relations	8	16
INTR6122	Scholarly Writing in International Relations	4	
INTR6132	EES in International Relations	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6296	Business Start Up	8	16
ENTR6215	Business Model & Validation for International Relations Students	2	
ENTR6216	Launching New Ventures for International Relations Students	2	
ENTR6239	EES in New Business for International Relations	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6331	Research Design in International Relations	8	16
RSCH6165	Scientific Writing for International Relations	4	
RSCH6398	Capacity Building in International Relations	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6130	Community Outreach Project Implementation	8	16
CMDV6081	Community Outreach Project Design for International Relations Students	4	
CMDV6101	Employability and Entrepreneurial Skills for International Relations Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	INTR6002	Introduction to International Relations	C
4.	INTR6008	Modern Theories of International Relations*	C
5.	INTR6010	Indonesia's Foreign Policy	C
6.	INTR6017	Foreign Policy of Developed Countries*	C
Regular Topics (Students choose one of the following)			
7.	INTR8035	International Political Economy of Multinational Corporations*	C
8.	INTR6039	Indonesia's Trade Policy in An Era of Free Competition*	C
9.	INTR8043	International Media and the Role of the State*	C
10.	INTR8029	The Indonesian Defense Strategy*	C
Intermediate Theory (Students choose one of the following)			
11.	INTR6112	Great Debates in International Relations	C
12.	INTR6113	Selected Readings in Critical Theory	C

*) Tutorial & Multipaper

Primary Teacher Education

Introduction

The Primary Teacher Education Department of BINUS UNIVERSITY is designed with blended best practices of national and international curricula supported by a strong character education and ICT skills.

Vision

Become a world class Primary Teacher Education Department in continuous pursuit of innovation, education development, and research in education field.

Mission

The mission of Primary Teacher Education Department is to contribute to the global community through the provision of world-class education by:

1. Creating professional and passionate primary school teachers who educate, inspire, and innovate the community with high quality of education.
2. Developing research culture in academic environment of educational technology especially of primary teacher education.
3. Strengthening network in primary education community, contributing to local and global society in developing the nation's quality of life through services in primary education.

Program Objective

The objectives of the program are:

1. To facilitate students with conducive academic environment in order to achieve rigorous learning outcomes through meaningful learning experience.
2. To equip academics with conducive environment in review, design, and conducting research and community services in the field of primary education.
3. To deploy students with knowledge and technology in primary education that needed to apply and develop their professional program.

Student Outcomes

After completing the study, graduates are:

1. Able to plan, implement, and evaluate curricular, co-curricular and extra-curricular learning activities, with student active learning approach by utilizing a various learning resources, science, ICT-based instructional media, and the potential value of the local environment, according to the standard process and the quality of primary education.
2. Able to provide assistance to students in the learning scopes, character building, and personal development.
3. Able to evaluate instructional process using classroom action research.
4. Able to plan and manage resources in classroom teaching and learning activity, and educational institutions under his responsibility, and comprehensively evaluate their activities.
5. Able to make strategic decisions based on analysis of the information and data in classroom teaching and learning activity, school, and educational institutions under his responsibility as a teacher.

6. Able to conduct studies on the quality problem, relevance and access in education, and serves a best of existing solutions as a reason for decision making in the context of his responsibilities as a teacher.
7. Able to implement innovative and tested instructional method in accordance with the content characteristics of subjects and characteristics of the learners at the primary education level.
8. Mastering the information and communication technology in learning, research and self-development.
9. Mastering a foreign language in learning process.
10. Mastering international curriculum IB or Cambridge as national curriculum enrichment.

Prospective Career of the Graduates

Graduates of the program are strongly encouraged to be professional primary school teachers, tutor, trainer and researcher who have strong passion in the primary education field.

Curriculum

Our curriculum is a blend of best practices of both national and internationally such as IB and Cambridge with the emphasis on research and ICT skills.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6013	Character Building: Pancasila	2	20
	CHAR6022	Character Education for Primary*	2	
	EDUC6009	Philosophy of Science	2	
	PSYC6114	Educational Psychology	2	
	LANG6035	Bahasa Indonesia for Primary I	4	
	MATH6083	Mathematics Education for Primary I	4	
	EDUC6010	Class Management*&***	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	20
	LANG6088	Bahasa Indonesia for Primary II**	4	
	MATH6084	Mathematics Education for Primary II	4	
	EDUC6046	Learning Theories*	2	
	EDUC6047	Introduction to Primary Curriculum*&***	2	
	EDUC6019	Learning Evaluation and Assessment	4	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	24
	EDUC6014	ICT Based Learning Media**	4	
	EDUC6017	Curriculum and Instructional Development**	4	
	STAT6099	Statistics for Education	4	

Sem	Code	Course Name	SCU	Total
3	SOCS6032	Social Science for Primary I	2/2	24
	SCIE6030	Natural Science for Primary I	2/2	
	SOCS6013	Pancasila & Civics Education I	2	
4	SOCS6016	Pancasila & Civics Education II	2	24
	SOCS6017	Social Science for Primary II**	2/2	
	SCIE6039	Natural Science for Primary II**	2/2	
	EDUC6048	Current Issues in Primary Education*&***	4	
	EDUC6018	Micro Teaching*	4	
	EDUC6015	Educational Research Methodology	4	
	EDUC6043	Philosophy of Education*	2	
5	Enrichment Program I		16	16
6	Enrichment Program II		16	16
7	EDUC6028	Pramuka	2	20
	RSCH6014	Research Proposal	2	
	EDUC8004	School Based Management*	2	
	PSYC6115	Introduction to Guidance & Counseling	2	
	EDUC6049	International and National Curriculum	4	
	Elective Courses***			
	MATH6080	Advanced Mathematics	4	
	SCIE6040	Advanced Natural Science	4	
	COMP6234	Advanced ICT	4	
	EDUC6032	Art & Craft	2	
	EDUC6037	Teaching English for Young Learners*	2	
	EDUC6033	Physical Education	2	
	EDUC6040	Child Games*	2	
	EDUC6031	Introduction to Special Needs Education	2	
	COMM6160	Public Speaking	2	
8	EDUC6042	Thesis	6	6
TOTAL CREDITS 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Elective Course: Students will choose elective course with the total of 8 credits on 7th Semester.

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation

-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (5th Semester) & Enrichment Program II (6th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
EDUC6022	Internship I	8	
EDUC6023	Teaching Primary Students	4	
EDUC6027	Leadership Skill	4	
Enrichment Program II			16
EDUC6025	Internship II	8	
EDUC6026	Lesson Planning	4	
EDUC6024	Communication Skill	4	

Students should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	LANG6088	Bahasa Indonesia for Primary II	B
3.	MATH6084	Mathematics Education for Primary II*	B
4.	SCIE6039	Natural Science for Primary II*	B
5.	SOCS6017	Social Science for Primary II	C
6.	SOCS6016	Pancasila & Civics Education II	C
7.	EDUC6014	ICT Based Learning Media*	C

*) Tutorial dan multipaper

2.3 Course Descriptions

SUBJECT AREA: ACCT

ACCT5106 – ACCOUNTING PRINCIPLES I (2/2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain the concepts, accounting principles as a basis in the preparation of financial statements, and all stages in the accounting cycle; Identify the differences between service and merchandising companies, explain the steps in the accounting cycle for merchandising company, and distinguish between a multiple-step and single-step income statement; Identify some of the methods in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS) relating current asset that consists of inventories, cash, and accounts receivables; Apply the methods in recording and calculating the current asset that consists of inventories, cash, and account receivable in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS).

Topics: Accounting in Action; The Recording Process; Adjusting The Accounts; Completing The Accounting Cycle; Accounting for Merchandising Operations; Inventories; Fraud, Internal Control, and Cash; Accounting for Receivables.

ACCT5107 – ACCOUNTING PRINCIPLES II (2/2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Apply the recording and calculation methods of plant assets, natural resources, intangible assets, liabilities, share transactions, dividends, retained earnings and investments accounts; Calculate time value concepts related to bond pricing; Prepare statement of cash flows using indirect method; Analyze financial statement using horizontal, vertical and ratio analysis.

Topics: Plant Assets, Natural Resources, and Intangible Assets; Liabilities; Corporations: Organization, Share Transactions, Dividends, and Retained Earnings; Investments; Statement of Cash Flows; Financial Statement Analysis.

ACCT5108 – INTERMEDIATE ACCOUNTING I (2/2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Prepare Income statement and Statement of Financial Position; Apply the time value of money concept on the accounting topics; Explain the principle of recognition related assets and liabilities in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Apply the accounting concepts in measurement and presentation related to assets and liabilities in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Analysis of assets and liabilities from the financial statement.

Topics: The Accounting Information System; Income Statement and Related Information; Statement of Financial Position and Statement of Cash Flows; Accounting and The Time Value of Money; Cash and Receivables; Valuation of Inventories: A cost-Basis Approach; Inventories: Additional Valuation Issues; Acquisition and Disposition of Property, Plant, and Equipment; Depreciation, Impairments, and Depletion; Intangible Assets; Current Liabilities, Provisions, and Contingencies; Non-Current Liabilities

ACCT5109 – INTERMEDIATE ACCOUNTING II (2/2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Apply recognition concepts, measurement & presentation for liability, equity, revenues, income taxes, pensions, and leasing; Apply the accounting concept for accounting changes and error; Prepare statement of cash flow; Prepare the presentation and disclosure in financial statements.

Topics: Non Current Liabilities; Equity, Dilutive Securities and Earnings per Share; Investments; Revenue; Accounting for Income Taxes; Accounting for Pensions and Postretirement Benefits; Accounting for Leases; Accounting Changes and Error Analysis; Statement of Cash Flow; Presentation and Disclosure in Financial Reporting

ACCT5110 - COST ACCOUNTING I (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe Cost Management System and cost assignment process; Explain cost behavior and activity-based cost system; Prepare job order cost sheet and cost of production report; Calculate departmental overhead rates and budgeting; Calculate the materials, labor, Factory Overhead variances and performance evaluation; Analyze cost information for reporting

Topics: Introduction to Cost Management; Basic Cost Management Concepts; Cost Behavior; Activity-Based Costing; Product and Service Costing; Job-Order System; Process Costing; Allocating Costs of Support Departments and Joint Products; Budgeting for Planning and Control; Standard Costing: A Functional-Based Control Approach; Decentralization: Responsibility Accounting, Performance Evaluation, and Transfer Pricing

ACCT5111 - COST ACCOUNTING II (2/2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain strategic cost management ; Discuss the implementation of activity based management and basic features Balanced Scorecard; Prepare quality cost report, and lean accounting; Develop cost volume profit analysis, tactical decision making and pricing concepts; Apprise Capital Investment and Inventory Management; Support information for decision making

Topics: Strategic Cost Management; Activity-Based Management; The Balance Scorecard: Strategic-Based Control; Quality and Environmental Cost Management; Lean Accounting and Productivity Measurement; Cost-Volume-Profit Analysis; Activity Resource Usage Model and Tactical Decision Making; Pricing and Profitability Analysis; Capital Investment; Inventory Management: Economic Order Quantity, JIT, and the Theory of Constraints

ACCT5112 - ADVANCED ACCOUNTING I (2/2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain the nature, characteristics of advanced accounting topics and special industries; Interpret economics transactions related to advanced accounting topics and special industries; Analyze journal entries necessary for economics transactions related to advanced accounting topics and special industries; Record journal entries necessary for economics transactions related to advanced accounting topics and special industries; Prepare financial statements for advanced accounting topics and special industries.

Topics: Installment Sales; Consignment Sales; Accounting for Home Office and Branch Relationship; Insurance Contract; Life Insurance and General Insurance; Accounting for General Mining, Exploration and Evaluation of Mineral Resources; Derivatives and Foreign Currency Transactions; Foreign Currency Financial Statements; Segment and Interim Financial Reporting; Corporate Liquidations and Reorganizations

ACCT5113 - ADVANCED ACCOUNTING II (2/2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain the concept of business combination, concept of control, and concept of group reporting; Apply the consolidated financial statement, the elimination principles of intragroup transactions, and profit for controlling interest as well as non controlling interest; Apply consolidation

principles of changes in ownership interest, indirect and mutual ownerships subsidiaries for consolidated financial statements; Apply the concept of intercompany bond holdings and the accounting for intercompany bond; Explain the concept of liquidation and reorganisation.

Topics: Introduction to Business Combinations and the Conceptual Framework; Consolidated Financial Statement – Date of Acquisition; Consolidated Financial Statement After Acquisition; Allocation and Depreciation of Differences Between Implied and Book Values; Elimination of Unrealized Profit on Intercompany Sales of Inventory; Elimination of Unrealized Gains and Losses on Intercompany Sales of Plant and Property; Changes in Ownership Interest; Intercompany Bond Holdings; Indirect and Mutual Holdings; Liquidation and Reorganisation.

ACCT6010 – IT COST MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze budget of IT cost within the company; Identify the potential IT cost reduction that can be conducted within the company; Analyze the strategy used to make the IT cost more efficient and how to overcome the risks.

Topics: Cost Reduction Strategies; The Budgeting Process; The Cost Reduction Project; Business Application; Technical Infrastructure; IT Process; Organization and People; Overhead and Miscellaneous Cost; Communication; Cost Reduction Pitfalls; IT Value; Cost Reduction Maturity.

ACCT6013 – COST ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the meaning of terms, cost manner, purposes & scope of cost accounting; Identify the cost accounting concept, cost manner, purposes and the scope of cost accounting and balance score card strategy; Calculate CVP, cost of goods manufactured, cost variances, cost allocation and inventory costing; Analyze inventory costing and just in time inventory; Prepare job order costing, master budget, flexible budget, process costing.

Topics: An Introduction To Cost Terms and Purposes; Cost-Volume- Profit Analysis; Job costing; Strategy, Balance scorecard, and Strategic Profitability Analysis; Proses Costing; Master Budget and Responsibility Accounting; Flexible Budget, Direct-Cost Variances and Management Control; Inventory Costing and Capacity Analysis; Cost Allocation, Customer Profitability Analysis and Sales Variance Analysis; Allocation of Support-Department Costs, Common Costs and Revenue; Cost Allocation, Joint Products and By Product; Inventory Management, just in time (JIT) and Simplified Costing Methods.

ACCT6033 – FINANCIAL ACCOUNTING I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the time value of money concept on the accounting topics; Explain the principle of recognition related assets, liabilities, and equity in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Apply the accounting concepts in measurement and presentation related to assets, liabilities, and equity in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Analyze of assets, liabilities, and equity from the financial statement; Apply the accounting concept in recognition, measurement, and presentation for debt and equity investment.

Topics: Accounting and the Time Value of Money; Cash and Receivables; Valuation of Inventories: A cost-Basis Approach; Inventories: Additional Valuation Issues; Acquisition and Disposition of Property, Plant, and Equipment; Depreciation, Impairments, and Depletion; Intangible Assets; Current Liabilities, Provisions, and Contingencies; Non-Current Liabilities; Equity; Dilutive Securities and Earnings per Share; Investment.

ACCT6034 – FINANCIAL ACCOUNTING II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply recognition concepts, measurement & presentation for revenues, including for Long term construction and installment sales; Apply the accounting concepts in recognition, measurement, and presentation for income taxes, pensions, and leasing; Apply the accounting concept for accounting changes and error; Prepare statement of cash flow; Prepare the financial statements and disclosure of financial statements including reporting for segments and interim financial reports.

Topics: Recognizing Revenues; Installment Sales; Accounting for Income Taxes; Accounting for Pensions and Post Retirement Benefits; Accounting for Leases; Reporting Accounting Changes and Error Analysis; Statement of Cash Flow; Presentation and Disclosure in Financial Reporting; Reporting for Segments and Interim Financial Periods.

ACCT6043 – INTERNATIONAL ACCOUNTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of international accounting, environment and the accounting practices in some countries, the diversity in accounting internationally and problems caused by accounting diversity; Explain the concept of international convergence of financial reporting standards,

the difference between IFRS and US GAAP, the impact on the financial statement and the foreign exchange market; Apply the international financial reporting standards, the accounting for foreign currency transaction, international transfer pricing, the concept of hedging and translation foreign currency financial statements; Apply the concept of corporate income tax and withholding tax in different countries, tax treaties and tax incentives; Explain strategic formulation, implementation and performance evaluation in multinational corporations, explain the link between auditing and corporate governance in an international context and the CSR practices at international level.

Topics: Worldwide Accounting Diversity; International Convergence of Financial Reporting; Comparative Accounting; International Financial Reporting Standards I; International Financial Reporting Standards II; Financial Reporting Issues; Foreign Currency and Hedging Foreign Exchange Risk; Translation of Foreign Currency Financial Statements; International Corporate Social Reporting; International Taxation; International Transfer Pricing; Strategic Accounting Issues in Multinational Corporations; Comparative International Auditing and Corporate Governance.

ACCT6049 - MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the role of management accountants in an organization; Compute cost classifications, cost behavior, and cost volume profit relationship; Compute variable costing, Activity-Based Costing, master budget, and flexible budgets; Prepare the balance Score card, pricing products, transfer pricing, and profitability analysis; Appraise strategic business through planning and decision support.

Topics: Managerial Accounting and the Business Environment; Cost Concepts; Cost-Behavior: Analysis and Use; Cost-Volume-Profit Relationships; Absorption Costing and Variable Costing; Activity-Based Costing: A Tool to Aid Decision Making; Master Budgeting; Flexible Budgets and Performance Analysis; Differential Analysis: The Key to Decision Making; The Balance Scorecard; Transfer Pricing; Pricing Products and Services; Profitability Analysis.

ACCT6052 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Conduct research with qualitative or quantitative approaches; Apply knowledge and skills that have been learned in the research or design process; Compare the knowledge and skills in college with real condition in society.

Topics: Proposal; Chapter 1; Chapter 1 Revision; Chapter 2; Chapter 2 Revision; Chapter 3; Chapter 3 Revision; Chapter 4; Chapter 4 Revision; Chapter 5; Review All; Thesis Assessment and Approval.

ACCT6055 – ACCOUNTING THEORY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the role and purpose of accounting theory as it served from time to time; Define theories and approaches used in accounting theory and describe how the theories were constructed; Explain the underlying theoretical concept behind accounting practices; Describe positive accounting theory, capital market, and behavioural research approach used in accounting research and study; Analyze contemporary issues in accounting within the theoretical framework.

Topics: Introduction to Course and Accounting Theory; Applying Theory to Accounting Regulation; Conceptual Framework for Financial Reporting; Measurement Theory and Accounting Measurement System (Part I); Measurement Theory and Accounting Measurement System (Part II); Assets; Liabilities and Owners Equity; Revenue; Expense; Positive Theory of Accounting Policy and Disclosure; Capital Market Research; Behavioural Research in Accounting; Emerging Issues in Accounting and Auditing.

ACCT6059 – MANAGEMENT CONTROL SYSTEM (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define role of management in management control systems; Analyze management control alternatives with their effects; Analyze financial results as control systems; Solve performance measurement issues and its effects; Explain how corporate governance related to management control systems; and how environmental uncertainty, organizational strategy, and multinationality affected management control systems.

Topics: Management and Control and Results Controls; Action, Personnel, and Cultural Controls; Control System Tightness; Control System Costs; Designing and Evaluating Management Control Systems; Financial Responsibility Centers; Planning and Budgeting; Incentive Compensation Systems; Financial Performance Measures and their Effects; Combinations of Measures and Other Remedies to the Myopia Problem; Using Financial Results Controls in the Presence of Uncontrollable Factors; Corporate Governance and Boards of Directors; The Effects of Environmental Uncertainty, Organizational Strategy, and Multinationality on Management Control Systems.

ACCT6062 – FINANCIAL AUDIT I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the objective and role of external auditing for reliable financial and internal control information; Demonstrate technique and procedure used by auditor in audit process; Explain professional auditing standards and the audit opinion; Manage audit evidence and risk assessment; Identify and respond to the risk of material misstatement; Operate generalized audit software and use of IT in auditing.

Topics: Auditing: Integral to the Economy; The Auditor's Responsibilities Regarding Fraud and Mechanisms to Address Fraud: Regulation and Corporate Governance; Internal Control Over Financial Reporting; Responsibilities of Management and the External Auditors; Professional Liability, Auditor Judgment Framework, and Professional Responsibilities; Professional Auditing Standards and the Audit Opinion Formulation Process; A Framework for Audit Evidence; Planning the Audit: Identifying and Responding to the Risk of Material Misstatement; Specialized Audit Tools: Sampling and Generalized Audit Software.

ACCT6063 – FINANCIAL AUDIT II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze each cycle in client's financial statement; Examine each account balance in financial statement audit; Demonstrate valuation and allocation method for auditing long-lived asset; Explain method to test long term liabilities and stockholders' equity; Manage activities required to complete the audit; Discover current issue, use of generalized audit software, and other services by audit firm.

Topics: Auditing the Revenue Cycle; Auditing Cash and Marketable Securities; Auditing Inventory, Goods and Services, and Accounts Payable: The Acquisition and Payment Cycle; Auditing Long-Lived Assets: Acquisition, Use, Impairment, and Disposal; Auditing Debt Obligations and Stockholders' Equity Transactions; Activities Required in Completing a Quality Audit; Audit Reports on Financial Statements; Advances Topics Concerning Complex Auditing Judgments and Generalized Audit Software; Other Services Provided by Audit Firms.

ACCT6065 – COST ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Evaluate Standard Costing and Analyzing Variances; Prepare Planning and Control of Cost; Calculate Cost Accumulation; Prepare Cost of report; Describe Cost Concepts and Objectives; Identify The role of cost accounting in management.

Topics: Management, The Controller, and Cost Accounting; Cost Concept and The Cost Accounting Information System; Cost System and Cost Accumulation; Job Order Costing; Process Costing-average method; Process Costing-FIFO method; The Cost of Quality and Accounting for Production Losses; Costing By Products and Joint Products; Just In Time and Backflushing; Materials: Controlling, Costing, and Planning; Labor: Controlling and Accounting for Costs; Factory Overhead: Planned, Actual, and Applied; Factory Overhead: Departmentalization; Standard Costing: Setting Standard and Analyzing Variances; Standard Costing: Incorporate Standard into the Accounting Record.

ACCT6075 – METHOD AND PRACTICE OF COST ACCOUNTING (2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain the functions of controller in company; Analyze cost concept and cost behavior; Prepare Journal entries and a job order cost sheet; Prepare cost Reports; Prepare cost information for management.

Topics: The functions of controller in company; Concept analysis and cost behavior; Journal Entries; Posting journal entries to general ledger accounts and prepare a job order cost sheet; Prepare a statement of Cost of Goods sold, income statement, and balance sheet; Prepare a departmental cost of production report based on average costing; Prepare a departmental cost of production report based on FIFO costing; Prepare journal entries to account for scrap, spoilage, and rework in a job order cost system; Prepare a cost of production report when spoilage occurs in a process cost system with an average cost flow assumption; Prepare a cost of production report when spoilage occurs in a process cost system with a FIFO cost flow assumption; Costing by-products and joint products.

ACCT6077 – METHOD AND PRACTICE OF AUDITING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define audit working paper, its components and requirements; Prepare audit working paper in planning section; Prepare audit working paper in all accounting cycles; Prepare all paper-work requirements in the end of audit engagement.

Topics: Overview of Audit Working Paper; Audit Planning; Sales and Account Receivable Cycle; Inventory and Account Payable Cycle; Cash and Cash Equivalent Cycle; Prepaid Expense and Equipment Cycle; Investment Cycle; Fixed Assets Cycle; Revenue and Expense; And of Audit Engagement.

ACCT6078 – FINANCIAL ACCOUNTING: ANALYSIS AND REPORTING INCENTIVES (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic institutional, economic and accounting knowledge and tools; Evaluate Performance Measurement, Performance Management and Review, Performance Appraisal and Compensation System; Analyze capital budgeting; Analyze working capital management and financing decisions; Explain practical finance issues associated with forecasting cash flows and capital requirements for a new business, preparing a business plan and business valuation; Explain Corporate risk management.

Topics: The Financial Manager and the Firm; The Financial Environment and the Level of Interest Rates; Financial Statements, Cash Flows, and Taxes; Analysing Financial Statements; Overview: The Results-Management System, Performance Measurement; Performance Management and Review; Performance Appraisal, Compensation System, Implementing the Results Management System; The Fundamentals of Capital Budgeting; Cash Flows and Capital Budgeting; The Cost of Capital; Working Capital Management; Capital Structure Policy; Dividends, Share Repurchases and Payout Policy; Business Formation, Growth and Valuation; Financial Planning and Forecasting; Corporate Risk Management.

ACCT6079 – METHOD AND PRACTICE OF COMPUTERIZED AUDIT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Perform data analysis operation using features of Audit Command Language (ACL); Identify business process, general controls, application controls and financial fraud issues in computer based accounting systems; Identify audit objectives and internal control issues in relation to business processes cycles (revenue cycle, expenditure cycle and production cycle); Perform test of controls and substantive tests in relation to business processes cycles (revenue cycle, expenditure cycle and production cycle) using ACL.

Topics: Overview of Audit Command Language (ACL); Planning the Project and Acquiring the Data; Understanding and Access the Data; Analyzing the Data; Findings Reporting; Auditing the Revenue Cycle; Auditing the Expenditure Cycle; Auditing the Production Cycle.

ACCT6080 – RISK & INTERNAL CONTROL (2 Credits)

Learning Outcomes: On completion of their studies students should be able to: Explain basic concept of Risk, Governance, and Internal Control; Analyze implementation and importance of Enterprise Risk Management (ERM), strong governance, and Compliance Issues Today; Explain Concept of Corporate Culture and Risk Portfolio Management, Information Technology and Enterprise Risk Management, and Importance of ERM in Board Room; Plan Establishment an Effective GRC concept and ERM into Company.

Topics: Introduction : Enterprise Risk Management Today; Importance of Governance, Risk and Compliance (GRC) Principles; Risk Management Fundamentals; The COSO ERM Framework; Implementing ERM in the Enterprise; Importance of Strong Governance Practices; Enterprise Compliance Issues Today; Integrating ERM with COSO Internal controls; Corporate Culture and Risk Portfolio Management; Importance of ERM in the Corporate Board Room; Role of Internal Audit in Enterprise Governance, Risk and Compliance; Information Technology and Enterprise Risk Management; Establishing an Effective GRC Culture throughout the Enterprise.

ACCT6082 – THESIS (6 Credits)

Learning Outcomes: After finishing this course, students are able to apply their knowledge/skills that have been learned in the study in the form of written research.

ACCT6083 – ADVANCED ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of business combination, concept of group reporting, and insolvency; Prepare the consolidated financial statement on the date and after the acquisition; Prepare consolidated work papers for intercompany sales of inventory, property, equipment, and bond using cost and complete equity methods; Prepare trustee reporting during liquidation or reorganization; Apply the accounting for foreign currency transactions, hedging, and financial statements of foreign affiliates.

Topics: Introduction to Business Combinations, Conceptual Framework and Accounting for Business Combinations; Consolidated Financial Statements - Date of Acquisition; Consolidated Financial Statements after Acquisition; Allocation and Depreciation of Differences between Implied and Book Values; Elimination of Unrealized Profit on Intercompany Sales and Inventory; Elimination of Unrealized Gains or Losses on Intercompany Sales of Property and Equipment; Intercompany Bond Holdings and Miscellaneous Topics - Consolidated Financial Statements; Changes in Ownership Interest; Insolvency - Liquidation and Reorganization; Accounting for Foreign Currency Transactions and Hedging Foreign Exchange Risk; Translation of Financial Statements of Foreign Affiliates.

ACCT6098 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Conduct research with qualitative or quantitative approaches; Apply knowledge and skills that have been learned in the research or design process; Compare the knowledge and skills in college with real condition in society.

Topics: Proposal; Chapter 1; Chapter 1 Revision; Chapter 2; Chapter 2 Revision ; Chapter 3; Chapter 3 Revision; Chapter 4; Chapter 4 Revision; Chapter 5; Review All; Thesis Assessment and Approval.

ACCT6114 - RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the knowledge about theoretical, guidance and also framework about the research methodology; Define concept of qualitative and quantitative research; Design research and hypothesis building; Define The Concept Of Data Collection & Data Analysis; Prepare research proposal using primary data and secondary data.

Topics: Introduction To The Research; Problem Statement; Critical Literature Review; Theoretical Framework and Hypothesis Development; Element Of Research Design; Data Collection Methods: Interview; Data Collection Methods : Observation; Data Collection Methods : Questionnaires; Measurement : Variable, Scaling, Reliability and Validity; Sampling; Quantitative Data Analysis; Qualitative Data Analysis; Research Report and Proposal.

ACCT6116 - SOCIAL AND ENVIRONMENTAL ACCOUNTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the concept of business sustainability and corporate accountability reporting; Recognize history, emerging initiatives, and best practices of sustainability reporting; Explain a sustainable business, corporation, capital market, and concept of multiple bottom lines of economic, governance, social, ethical, and environment (EGSEE); Apply corporate governance key performance indicators (KPIs) and social dimension of corporate sustainability; Appraise ethical, environmental dimension of sustainability performance and business sustainability in action; Examine sustainability performance and accountability reporting in reflecting their key performance indicators in all areas of Economics, Governance, Social, Ethical, and Environmental performance (EGSEE).

Topics: Introduction to Business Sustainability and Accountability Reporting; Brief History of Sustainability Reporting; Business Sustainability and Accountability Initiatives, Reporting, and Assurance; Sustainability, Corporations, Capital Markets, and the Global Economy; Economic Vitality as a Component of Sustainability; The Corporate Governance Dimension of Sustainability; The Social Dimension of Corporate Sustainability; The Ethical Dimension of Sustainability; The Environmental Dimension of Sustainability Performance: Government Policy, Societal Forces, and Environmental Management; Business Sustainability in Action: Global Initiatives and Emerging Issues; The Future of Business Sustainability: Sustainability Reporting and Assurance.

ACCT6117 - ADVANCED ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the nature and characteristics of home and branch, partnership and business combinations; Prepare the journal entries necessary related to home and branch and partnership; Prepare consolidated financial statements and translation of foreign currency financial statements; Explain the nature and characteristics of consignment and installment sales; Prepare the journal entries necessary related to consignment and installment sales.

Topics: Partnership; Partnership Liquidation; Installment Sales; Home and Branch Relationship; Consignment Sales; Consolidated Financial Statements - Date of Acquisition; Consolidated Financial Statements after Acquisition; Allocation and Depreciation of Differences between Implied and Book Values; Translation of Financial Statements of Foreign Affiliates.

ACCT6125 - MANAGERIAL ACCOUNTING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the role of management accountants in an organization; Identify cost classification for manufacturing companies, and classification of service department cost using the cost behaviour concept; Calculate cost classifications, cost behavior, and cost volume profit (CVP); Calculate Activity-Based Costing and financial budget for organization; Analyze cost concept for decision making.

Topics: Managerial Accounting and the Business Environment; Cost Concepts; Cost-Behavior: Analysis and Use; Cost-Volume-Profit Relationships; Job-Order Costing; Process Costing; Activity-Based Costing; Master Budgeting; Flexible Budget and Performance Analysis; Differential Analysis: The Key to Decision Making.

ACCT6133 - INTRODUCTION TO FINANCIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the accounting concepts and principles as a basis in the preparation of financial statements, and explain the stages in the accounting cycle; Explain the operations of merchandising company and the accounting cycle for merchandising company; Explain the concept and

methods relating to inventories, cash, accounts receivable, plant assets, liabilities, and equity of a company; Analyze the company's financial condition by using the information in cash flow statement; Analyze the information stated in financial statement.

Topics: Accounting in Action; The Recording Process; Adjusting the Accounts; Completing the Accounting Cycle; Accounting for Merchandising Operations; Inventories; Fraud, Internal Control, and Cash; Accounting for Receivables; Plant Assets, Natural Resources, and Intangible Assets; Liabilities; Corporations: Organization, Share Transactions, Dividends, and Retained Earnings; Statement of Cash Flows; Financial Statement Analysis.

ACCT6134 - INTERMEDIATE ACCOUNTING (4 Credits)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Identify the role of the financial statements; Explain the role of the financial statements, the financial markets, flower markets, and financial policies for the benefit of managerial decisions; Calculate the project based on the concept of Time Value Money, including the relationship with risk; Evaluate the business and financial risk, cash inflows and outflows, funding, internal and external benefits and costs of debt.

Topics: Financial Reporting; A Review of The Accounting Cycle; The Balance Sheet and Notes to The Financial Statements; The Income Statement; Statement of Cash Flows and Articulation; Earnings Management; The Revenue/Receivables/Cash Cycle; Revenue Recognition; Inventory and Cost of Goods Sold; Investments in Noncurrent Operating Assets – Acquisition; Investments in Noncurrent Operating Assets-Utilization and Retirement.

ACCT6139 - FINANCIAL ACCOUNTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyse the financial statements through the accounting process; Measure the performance of a merchandising business; Estimate the cost of services or goods sold to customer; Use all knowledge Use Cost-Volume-Profit (CVP) and incremental analysis in common business decisions.

Topics: Accounting: Information for Decision Making; Basic Financial Statement; Accounting Cycle: Capturing Economic Events; Accounting Cycle: Accruals and Deferrals; Accounting Cycle: Reporting Financial Result; Merchandising Activities; Inventories and the Cost of Goods Sold; Financial Statement Analysis; Job Order Cost System and Overhead Allocation; Process Costing; Cost-Volume-Profit Analysis; Incremental Analysis.

ACCT6175 – ACCOUNTING IN PRACTICE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in gathering information across different departments in the organization to prepare management reports; gain experiences in preparing management reports; Gain experiences in communicating reports to stakeholders.

ACCT6177 - PRINCIPLES OF TOURISM ACCOUNTING AND FINANCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the accounting principles, concepts within the hospitality industry; Review briefly and give examples of some of the major types of costs, such as direct and indirect costs, fixed and variable costs, and discretionary costs; Perform the common uses of major elements in both the statement of cash flows and the various statements used to analyze working capital; Evaluate the financial analysis projections of a feasibility study.

Topics: Basic Financial Accounting Review; General Accounting Terms; Generally Accepted Accounting Principles; The Ledger Account; Understanding Financial Statement; Income Statement and Balance Sheet; Analysis and Interpretation of Financial Statements; Ratio Analysis; Internal Control; Method of Theft or Fraud; Problem Unique to The Hospitality Industry; Principles of Internal Control; The Bottom Up Approach to Pricing; Cost Management; Allocating Indirect Cost to Revenue Area; The Cost Volume Profit Approach; Cost Volume Profit Formula (Cont'd); Operation Budgeting; The Budget Cycle; Statement of Cash Flows and Working Capital Analysis; Statement of Cash Flows and Working Capital Analysis (Cont'd); Cash Management; Cash Conservation and Working Capital Management; Capital Budgeting and The Investment Decision; Feasibility Studies; Financial Goals and Information Systems

ACCT6275 – INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; Apply the related accounting theory to solve real accounting cases: Manage scarce resources to get work done.

ACCT6276 – EES IN INDUSTRIAL EXPERIENCE (1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Work in the dynamic team with tight deadline and less tolerance of errors; Communicate effectively with different type of persons; Prepare and present extensive reports

ACCT6277 – PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; Apply the related accounting theory to solve real accounting cases; Manage scarce resources to get work done.

ACCT6278 – FINANCIAL REPORTING IN PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in gathering information across different departments in the organization to prepare management reports; gain experiences in preparing management reports; Gain experiences in communicating reports to stakeholders.

ACCT6279 – EES IN PROFESSIONAL EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Work in the dynamic team with tight deadline and less tolerance of errors; Communicate effectively with different type of persons; Prepare and present extensive reports.

ACCT6300 – INTRODUCTION TO ACCOUNTING (4/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the differences between service and merchandising companies, and the steps in the accounting cycle for merchandising company; Prepare the complete accounting cycle; Explain the accounting methods in recording and measuring the assets such as inventories, cash, receivable, plant assets, natural resources, intangible assets, and investment in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Explain the accounting methods in recording and measuring the liabilities and equity in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Analyze companies' financial statement.

Topics: Accounting in Action; The Recording Process; Adjusting the Accounts; Completing the Accounting Cycle; Accounting for Merchandising Operations; Inventories; Fraud, Internal Control, and Cash; Accounting for Receivables; Plant Assets, Natural resources, and Intangible Assets; Liabilities; Corporations; Investment; Statement of Cash Flows; Financial Statement Analysis.

ACCT6312 - ACCOUNTING FOR BUSINESS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the methods in recording and measuring equity of corporations based on International Financial Reporting Standards (IFRS); Explain the accounting for partnership including the form of partnership, basic partnership accounting, and the liquidation of a partnership; Explain the methods in recording and measuring investments based on International Financial Reporting Standards (IFRS); Prepare statement of cash flows; Analyze companies' financial statement; Identify the business documents and their functions.

Topics: Equity; Partnership; Investment; Statement of cash flows; Financial statement analysis; Sales transactions; Purchase transactions; Cash and bank transactions; E-commerce transactions.

ACCT6313 - PUBLIC SECTOR ACCOUNTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the nature and concept of not-for-profit accounting; Explain the government budgeting cycle and budgetary accounting and government accounting standard; Prepare transaction journal entries and basic report for state government; Prepare transaction journal entries and basic report for local government; Explain how to audit government and NFP entities financial statements.

Topics: Government Accounting System including Standard Journal Entries 1; Accounting for Not-for-Profit Organization; International Public Sector Accounting Standards - An Introduction; Accounting for Colleges and Universities; Accounting for Health Care Providers; Indonesia Government Accounting Standards; Budgeting (APBN) Cycle of Indonesian State Government; Government Accounting System including Standard Journal Entries 2; Public Services Agency (PSA-BLU); Budgeting (APBN) Cycle of Indonesian Local Government; Local Government Accounting System including Standard Journal Entries 1; Local Government Accounting System including Standard Journal Entries 2; Auditing Government and Not-for-Profit Organization.

ACCT6314 – FORENSIC ACCOUNTING AND FRAUD EXAMINATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe fraud examination methodology; Identify problems fraudulent financial schemes; Demonstrate action to prevent and detect financial fraud including the use of IT; Recognize symptoms and fraud investigating method; Demonstrate techniques to reveal financial statement fraud; Explain the resolution and legal follow up of fraud.

Topics: The Nature of Fraud; Who Commit Fraud and Why?; Fighting Fraud: An Overview; Preventing Fraud; Recognizing the Symptoms of Fraud; Data-Driven Fraud Detection; Investigating Theft Acts; Investigating Concealment; Conversion Investigation Methods; Financial Statement Fraud; Revenue and Inventory Related Financial Statement Frauds; Liability, Asset, and Inadequate Disclosure Frauds; Fraud Against Organizations; Consumer Fraud; Bankruptcy, Divorce, and Tax Fraud; Legal Follow-Up.

ACCT6315 - CURRENT ISSUES IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Propose business plan and the showcased potential business project, design and evaluate Business Plan; Discuss in detail the current issues in the financial and management accounting, auditing, taxation and finance areas; Produce a written report of one issue presented in the previous session and a set of business plan document.

Topics: Sharia Accounting and Banking; Introduction of the Course; Taxation update; IFRS Beyond 2018; Big Data and Analytics in the Audit Process; Profiling Customers of Finance Business; Who are Our Next 10 Customers?; Indonesian Accounting Standards (PSAK) Ratified in 2015; Financial Institution Regulation; High Specifications of Accounting and Finance Services; Quantifying the Value Propositions of Accounting & Fin Service Business; Audit Investigative; Audit IT and Accounting Information System; XBRL Reporting Implementation; Corporate Reporting; Where is Your Positions? (Chart Competitive Position); Designing Business Model of Accounting & Fin Service; Accounting For Mining and Oil and Gas Industry; Banking Industry Update; Application of Management Accounting; Paper Submission.

ACCT7066 – MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Discuss The role of management accountants in an organization; Compute Cost classifications, cost behavior, cost volume profit relationship; Calculate Variable Costing, Activity-Based Costing, Profit Planning, and Flexible Budgets Performance Analysis; Prepare The Balance Score Card, Pricing Products, Profitability Analysis, Transfer Pricing, and Decision Making Under Uncertainty; Appraise strategic business and through planning and decision support.

Topics: Managerial Accounting and the Business Environment; Managerial Accounting and Cost Concepts; Cost Behavior: Analysis and Use; Cost-Volume-Profit Relationship; Variable Costing: A Tool for Management; Activity-Based Costing: A Tool to Aid Decision Making; Profit Planning; Flexible Budgets and Performance Analysis; Relevant Costs for Decision Making; The Balance Score Card; Pricing Products and Services; Profitability Analysis; Transfer Pricing; Decision Making Under Uncertainty.

ACCT7141 - ACCOUNTING INFORMATION SYSTEM AND INTERNAL CONTROL (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain concept of accounting information system; Design Database Framework and application for Accounting System; Create information system process flowchart with specific tools; Analyze internal control to mitigation for information system risk; Create specific internal control for revenue, expenditure, production and HRM Cycle; Explain Concept and step of System Development Life Cycle.

Topics: Accounting Information System: An Overview; Overview of Transaction Processing and ERP; Relational Database; System Documentation Technique; Computer Fraud; Control and Accounting Information System; The Revenue Cycle: Sales to Cash Collections; The Expenditure Cycle: Purchasing to Cash Disbursement; The Production Cycle; The Human Resource Management and Payroll Cycle; General Ledger and Reporting System; System Design, Implementation and Operation.

ACCT7142 - INTERNAL AUDIT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss internal audit standard, guidelines, and current issues and IT usage in the process of internal audit; Explain the role of corporate governance, risk management, and internal control in internal audit; Construct the internal audit activities, professionalism ethics, approach, and strategies; Prepare audit planning, fieldwork, reporting, and audit assurance.

Topics: Introduction to Internal Auditing; Corporate Governance Perspectives Introduction; Managing Risk; Internal Controls Including IT Usage; The Internal Audit Role; Professionalism; The Audit Approach; Setting an Audit Strategy; Audit Fieldwork; Meeting the Challenge.

SUBJECT AREA: ARCH

ARCH6001 – INTRODUCTION TO ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the Context in Architecture; Explain the Architectural Design Principles; Explain the Technology and Building System; Describe the Theory, Research, Evaluation and Critics in Architecture; Describe the Allied Disciplines.

Topics: Architecture and Context; Architecture: Function and Images; Fundamental of Architecture; Building System and Technology; Architectural Theory, Research, and Evaluation; Allied Disciplines.

ARCH6003 – BUILDING PHYSICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Building science (lighting, ventilation, sound, sun and climate, wind); Apply building science in architectural design for room quality and low energy building in the tropic; Modify architectural elements for low energy purposes.

Topics: Introduction : Building Science; Wind and Building; Natural Ventilation and Design; Air Conditioning : Natural Ventilation and Mechanical; Daylight; Artificial Lighting; Acoustics, Sound, Noise; Sun and Climate; Heat Flow and Thermal Insulation; Thermal Control by Design; Energy and Architecture; Low Energy Building Design.

ARCH6004 – CITY AND SETTLEMENT (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe definition, criteria and factors that influence of human settlements; Explain the human settlements history; Explain the problems and solution of human settlements; Explain the MDG's and sustainable human settlements; Apply the Indonesian Regulation on Human Settlements Planning and Design.

Topics: Introduction to Human Settlements; A Home is not a House; The origins of urban life; Metropolitan Problems; Millenium Development Goals for 21st Century; Fundamentals of Sustainable Dwellings; The Rise of Urban Sociology; Metropolitan Planning and Environmental Issues; Metropolitan Social Policy; Indonesian Regulation on Human Settlements Planning and Design.

ARCH6006 – SEMINAR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the problems of human needed in architectural design research; Explain the professional ethics in architectural design research; Arrange the building system in architectural design research; Integrate the cultural & environment system in architectural design research.

Topics: Introduction, Syllabus, and Seminar Overview; Writing from Research; Finding a Topic; Organizing Ideas and Setting Goals; Gathering Sources online and in the Library; Conducting Field Research; Understanding and Avoiding Plagiarism; Reading and Evaluating Sources; Writing Effective Notes and Creating Outlines; Drafting the Paper in an Academic Style; Blending Reference Material into Your Writing by Using MLA Style; Writing the Introduction, Body, and Conclusion; Seminar Presentation.

ARCH6009 – INTRODUCTION TO REAL ESTATE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe real estate definition and principles; Explain real estate financial and investment model; Explain real estate marketing and regulation in Indonesia; Discuss real estate theory and its application in case of housing estate; Design a proposal of New Housing Estate (small scale).

Topics: Real Estate Definition; Real Estate Development (case : Indonesia/Jakarta); Investment & Financial Aspect in Real Estate; Marketing Aspect in Real Estate; Legal Aspect in Real Estate; Housing Estate (study case); Real Estate Development; Real Estate Development (Study Case).

ARCH6015 – ARCHITECTURAL COMMUNICATION TECHNIQUE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the techniques in architectural presentation drawing; Draw a thing based on principles in architectural drawing; Produce the perspective drawing and Architectural rendering; Produce the Maquette and Porto folio; Create the presentation based on architectural communication technique.

Topics: Introduction of Communication Architecture technique; Types of Drawing; Sketches; Basic Sketches; Orthographic; Case study : Basic orthographic drawing of single thing; Multi view Drawing; Case Study : Multi view drawing of a single house; Para line drawing; Case Study : Para line drawing of a single house; Perspective drawing theory; Case Study : Drawing simple object , with one point perspective principle; Perspective drawing of two and three point theory; Case Study : Draw a building with two point perspective principle; Black and White Rendering; Case Study : Drawing shades, shadow and texture of a single house; Many colours Rendering; Case Study : Render a single house with many colours; Maquette making; Case Study : Make Architecture Maquette; Photography; Case Study : Make a Photo of a

Architecture Project; Porto folio; Case Study : Make A Porto folio of the design; Formatting the Architecture presentation; Make a Poster and Communication board of Architecture project.

ARCH6017 – SITE PLANNING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the problem of human needs in architectural and site design; Apply the professional ethics in architectural practice; Integrate cultural and environment system in architectural and site design.

Topics: Site characteristics/ landscape form; Road and parking system; Topography and slopes; Drainage system/ runoff; Building masses and orientation; Vegetation; Green site design; Integrated site planning.

ARCH6018 – BUILDING TECHNOLOGY I (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe The concept structure and construction of low building (1-2 storey); Explain The technical specifications of building materials for structures; Draw Technical drawing according to international technical drawing in Architecture.

Topics: Basic principles of low building structure; Introduction to type and structure of soils; Application of foundation structure system; Introduction and application of columns and beams system; Wall Construction; Frame, doors and windows; Slab systems; Floor coverings; Introduction and application of ceiling system; Roof covering; Roof truss structures; Stair Structures; Working drawings.

ARCH6019 – BUILDING TECHNOLOGY II (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: On successful completion of this Course, students will be able to: Choose middle rise building system including structure design and construction drawings; Design structure systems and utility network in three-dimensional form for the middle of middle rise building; Calculate the volume of structures, utilities, and simple building cost; Produce construction drawings and isometric utility drawings.

Topics: General Overview of middle rise building Structure; Technical drawing : Unit & Terms, Plan, Section & Elevation; Building foundation; Structure system : Rigid Frame Structure; Cantilever structure; Building envelope; Extrusion works; Horizontal structure; Ceiling Structure; Stairs; Roof structure; Roof covering; Building Services.

ARCH6020 – BUILDING TECHNOLOGY III (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analyze a wide-span structural building system including roofing, and appropriate building envelope; Create a diagram/scheme of building construction, isometry structure and utilities; Plan building construction drawings and the detail of structure systems; Choose building materials; Create a scheme of detail structure drawings.

Topics: Basic principles of wide span building structure; Load on wide span structure system; Portal system; Cable structure system; Combination structure for portal and cable; Basic Principles of Membrane Structure; Combination structure for portal, cable and membrane; Space structure system; Truss system; Shell structures; Folded plate structures; Pneumatic structures; Project and Case Studies.

ARCH6021 – BUILDING TECHNOLOGY IV (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Build system including the chosen structure type and construction system; Classify the criteria of material of structure and construction systems; Plan high-rise building construction drawings for preparation to carrying out construction work tenders; Discover the details of the structure, construction methods, costs budget (techno economic) as well as mechanical and electrical concept for high-rise buildings.

Topics: Introduction to Construction methods of multistory buildings. Analysis of Structure system and case study of form and its ratio aspect, Building element, and material; Structure system and high-rise building classification. Case study: Foundation for high rise building and Basement; Load, force and the behaviour of the structure. Case study: Type of Structure for high rise building; Core, utilities and zoning in the system of high-rise structures; Expenses lateral, and their effects on buildings. Case Study: Type of Beam and floor plate structure system; Joint Structure; Building Envelope (Curtain wall: Glazing system); Building Envelope (precast/ pre-fabricated wall); Secondary Building Envelope. Case Study: Cladding and Glazing System; Secondary Building Envelope. Case Study: Sun Shading; Criteria for earthquake resistant buildings (Behavior Structure and Case Studies: Bracing System); Building Services in high-rise building; Techno Economy.

ARCH6039 – FINAL PROJECT (8 Credits)

Learning Outcomes: After finishing this course, students are able to make a unique architecture design with comprehensive consideration.

Topics: Synopsis (short proposal); Planning & Programming; Design process; Presentation technique, Multimedia; Application all theory on final project.

ARCH6041 – DESIGN METHODS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the importance of Methods in Architectural Design; Describe the value and issues in architecture; Describe the stage of Architectural Programming; Analyze the architectural problems; Explain the evaluation methods.

Topics: What is Designing; The Need for New Methods; The Nature of Architectural Programming; Value and Issues in Architecture; Choosing Strategies and Methods; Problem and Solution; Gathering Information; Analyze Architectural Problem; Concept in Architecture; Methods of Evaluation.

ARCH6042 – ARCHITECTURAL DESIGN I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the problem of human needed in architectural design; Apply the professional ethics in architectural practice; Arrange building system; Integrate cultural & environment system in architectural design; Produce an architectural design work.

Topics: Introduction; Mapping a Structure; Mapping a physical movement; Mapping a narrative; Design and making; Presentation & Review.

ARCH6043 – ARCHITECTURAL DESIGN II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the problem of human needed in architectural design; Apply the professional ethics in architectural practises; Arrange building system; Integrate cultural & environment system in architectural design; Produce an architectural design work.

Topics: Introduction; The Design Process; Project & Quality Objectives; Environmentally Sensitive Design; Codes & Ordinances; Site Data; Site Analysis; Construction, Structural & Service Strategies; Design Responses; Architectural Drawings; Architectural Model; Design Presentation; Documentation & Portfolio.

ARCH6044 – ARCHITECTURAL DESIGN III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the problem of human needed in architectural design; Apply the professional ethics in architectural practice; Arrange building system; Integrate cultural & environment system in architectural design; Produce an architectural design work.

Topics: The Design Process; Design Attitude & Architectural Concepts; Precedents and Historical Perspectives; Codes, Ordinances, and Regulations; Construction Technology and Materials; Site Context; Preliminary Design Presentations; Presentations & Review.

ARCH6045 – ARCHITECTURAL DESIGN IV (6 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Solve the problem of human needed in architectural design; Apply the professional ethics in architectural practices; Arrange building system; Integrate cultural & environment system in architectural design; Produce an architectural design work.

Topics: The Design Process; Initial Project Brief; Concept Design; Developed Design; Design Presentation; Documentation & Portfolio.

ARCH6046 – ARCHITECTURAL DESIGN V (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the problem of human need in architectural design; Apply the professional ethics in architectural practice; Arrange building systems; Integrate cultural & environment system in architectural design; Produce an architectural design work.

Topics: Introduction to the design process; Client, Stakeholder and The Program; Site Inventory; Building Performance Strategies; Conceptual Design and Sustainability on the computer; Final Design Presentation & Review.

ARCH6047 – BEHAVIOR IN ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the importance of behavioural setting in architectural design; Explain the perception of place; Explain the theories of environment – behaviour relationship; Explain the planning and design on behaviour setting.

Topics: The Importance of Environmental Psychology; The Nature and Human Nature; The Perception of Place; Environmental influences on Behaviour; Personal Space and Territoriality; High Density and Crowding; Planning and design for Human Behaviour.

ARCH6048 – TRADITIONAL ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Introduction to Culture Ethnograph, Archeology in Architecture; Describe the Indonesian traditional Architecture; Explain the principal of Indonesian traditional Architecture's theory and Methodology; Apply Vernacular in Architectural design.

Topics: Introduction to culture; Origins; Traditional Architecture of Indonesia: Sumatra, Java; Traditional Architecture of Indonesia: Borneo, Sulawesi; Traditional Architecture of Indonesia: NTT, Papua; Perceptions of Built form; Technology and Symbolism; Cosmologies; The living House; Kinship and House Societies; Space and the shaping of social relations; Migration; Vernacular Architecture in Indonesia.

ARCH6049 – MODERN ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the modern architecture in early period, cultural development, the impact of industrial and social revolution to architecture; Explain a critical history of modern architecture; Explain the international style, regionalism, post-modern and deconstructivism; Explain the architectural practice related to development of modern architecture and cultural heritage in Indonesia.

Topics: Introduction and Early Development of Modern Architecture; Industrial Revolution and Social Revolution; Cultural Developments and Predisposing Techniques; A Critical History 1800 – 1900; A Critical History 1900 – 1970; International Style; Regionalism Architecture; Post-Modern Architecture; Deconstructivism Architecture; Modern Architecture in Indonesia; Architecture and Cultural Heritage.

ARCH6050 – TROPICAL ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the relation between climate and architecture; Describe the terms of Tropical Architecture and able to provide such proper examples; Describe important elements which form Tropical Building; Analyze the Tropical Architecture which meet human comfort requirements.

Topics: Architecture and climate; General knowledge of tropical architecture; Human comfort requirements in tropical climate; Design characteristic in tropical architecture; Analyze tropical architecture to meet human comfort requirements.

ARCH6051 – URBAN ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain relationship between architecture and urban design, Identify urban typology and morphology, Explain urban elements and regulations, Identify theories of urban design.

Topics: Architecture and Urban design; Urban typology and morphology; Urban elements and Catalysts; Urban Regulation; Theory of Urban Design.

ARCH6052 – UTILITY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the needs of building service in the building and on site; Select the appropriate building service system; Estimate space requirements for building systems.

Topics: Introduction; Vertical Transportation System; Plumbing, Water and Waste; Fire Protection System; Air Conditioning System; Power System; Lighting and Electrical; Security and Communication Systems; Building Automation System & Green Building.

ARCH6054 – INTERIOR DESIGN PRINCIPLES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the definition of interior design, professional ethics of interior designer, context of interior design and pre-design work; Classify stages of planning and design in interior design and select the appropriate elements of design, Analyze project coordination and management, integrate their present design education and their future careers.

Topics: Introduction; Context; Pre-design Work; Planning and Design; Harmonizing The Elements; Project Coordination and Management; Design Education and Beyond; Careers.

ARCH6061 – SUSTAINABLE ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the relationship between architecture and environment; Interpret the sustainable architecture design; Apply the sustainable architecture design in practices

Topics: Introduction; Sustainability; Images; Ethics; Objectives; Systems; The Assessment; Cohesion; The green; Sustainable Urban Development; Sustainable Urban Neighbourhood; Sustainable Building; Summary

ARCH6067 – INTERIOR INSTALLATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Collect the specification and characteristics of the materials to be used, including methods of installation; Analyze the method of interior installation and

application; Integrate materials, colors and expressions into a sustainable interior design; Design interior space with comprehensive reference of material that can be integrates with the properties and performance characteristics of materials.

Topics: Introduction to Space Planning; Construction Drawings for the Interior Design; Introduction to Material Properties and Performance Characteristics; Application and Installation Method for Interior; Psychological Impact of Color in the Interior Perspective; Installation of Interior Partitions; Ceilings : Construction, Fabrication and Materials; Introduction to Interior Millwork; Wall Finishing; Lighting; Flooring Materials; Mechanical and Electrical Systems for Interior; Acoustics.

ARCH6071 – PROPERTY ASSESSMENT I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain property assessment purpose and process; Analyze property Value and HBU aspect of property; Appraise Property (Land and Building) Value; Define the business model and explain the defined business model.

Topics: Property Definition & Property Assessment purposes; Property Assessment Process; Property/Site Valuation; Market Segment; Ideation in the Business; Concept of High Use Best Use; Visual Thinking; Prototyping; Storytelling; Creating Scenarios; Property Assessment Study Case.

ARCH6072 - BUILDING MATERIAL KNOWLEDGE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Classify material knowledge in Interior design Industry; Create meaningful interior design by compose any building materials; Analyze the potential business project using business framework; Propose and create any start up business based on interior design; Define the business model and the business process and propose a project for a company.

Topics: Introduction to Building Material Knowledge; Floor Material Mastering; Wall Material Mastering; Ceiling Material Mastering; Material Board; Architecture Business Market Segment; Ideation in Architecture; Visual thinking (Visualizing the Business Idea in Architecture Field); Prototyping the Architecture Business; Telling Stories about the Business; Creating Scenarios; Color, Space and Materials; Surface Texture.

ARCH6076 – PROJECT MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define project management, Produce the work plan and organize the people, Calculate the work volume and estimating the budget, Produce the tenders and contracts agreement, Construct the project management theory in the real construction case study.

Topics: Introduction to Project management; Managerial; Project organization; Scheduling; Early Estimates 1; Early Estimates 2; Tenders agreement; Contract agreement; Construction Phase 1; Construction Phase 2; Risk management; Hand over Project; Closing The Project.

ARCH6083 - INTERIOR TECHNICAL DRAWING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate object projection; Create the interior details for interior design project; Create the furniture details for furniture design project.

Topics: Technical Drawing Introduction; Projection Drawing; Complete Image and Modification; Furniture Drawing; Furniture Drawing Advance; Furniture details in construction drawing.

ARCH6085 - PROJECT PROGRAMME (3 Credits)

Learning Outcomes: Understand problem solving and decision making, planning and organizing in project development process.

Topics: Definition of Problem solving and decision making, planning and organizing; Project Development Process in construction; Application of Problem solving and decision making, planning and organizing in construction.

ARCH6086 – ARCHITECTURAL DESIGN COMPUTING I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply architectural design and drafting using CAAD; Produce architectural design idea using CAAD; Prepare sets of architectural working drawing.

Topics: Introduction; CAD – Drawing; CADD – Drafting; CAAD - Architectural Design.

ARCH6087 – ARCHITECTURAL DESIGN COMPUTING II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define an integrated scheme of 2D information into 3D model; Construct complete BIM model; Design a meaningful output with the process of graphic enhancement.

Topics: Strategic Definiton; Preparation and Brief; Concept Design; Developed Design; Technical Design; BIM Management.

ARCH6089 - AESTHETICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the importance of aesthetics; Identify aesthetics in architecture; Design 2 dimension aesthetics Art Form; Design 3 dimension aesthetics art form; Create the art work based on aesthetics principles.

Topics: Introduction to Aesthetics; Design Thinking; Basic Architecture Element; Principles of Architectural Design Arrangement; Composition; Proportion; 2 Dimension Artform; 3 Dimension Artform; Concept; 3D Composition by Chernikov and Peter Eisenmann; Soft Shells by Sophie Vyzoviti; Fabrications by Lisa Iwamoto; Performative Geometries.

ARCH6090 – ARCHITECTURAL GEOMETRY DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: On successful completion of this course, student will be able to: Evaluate the concept of Architectural Geometry using Cartesian Geometry and beyond; Analyze parametric concepts applied in contemporary architectural design; Create architectural geometry design using parametric models.

Topics: Architectural Geometry; Generative Algorithms; Data sets and Math; Transformations; Attractors; Deformations and morphing; Fabrication; Design strategy; Architectural Geometry Design project; Project presentation.

ARCH6091 - INDUSTRY EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand Industry Experience, technical competency and soft skills which needed in professional practice.

Topics: Organization Structure in consultant; professional ethics; software application; communication skill; public speaking; presentation.

ARCH6092 - INTEGRATED ARCHITECTURAL DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the planning process and integrated design in Architectural Consultant.

Topics: Concept development; Planning and Designing the project; Integrated design.

ARCH6093 - ADVANCED PROJECT PROGRAMME (4 Credits)

Learning Outcomes: Understand teamwork and communication in project development process.

Topics: Definition of Team work and Communication; Project Development Process in consultant; Teamwork with other skills, Communication and Presentation.

ARCH6094 – PROPERTY ASSESSMENT II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct the business plan and evaluate the business model; Describe the purpose and process of Property Appraisal in area of Commercial Building; Analyze Property Value (Commercial Buildings); Evaluate Key Success Factors in area of Commercial Buildings.

Topics: Property Appraisal & Type of Commercial Buildings; Creating Customer Profiles; Who are Our Next 10 Customers?; Building Standart, Facilities & Regulation; High Use Best Use; High level Specs Product/Service Specification; Quantify Value Proposition; Where is Your Positions? (Chart Competitive Position); Property Value of Commercial Building (Case Study: Office Building); Design Business Model; Property Value of Commercial Building (Case Study: Shopping Building); Property Value of Commercial Building (Case Study: Mixused Building); Property Value of Commercial Building (Case Study: Hotel); Key Success Factor.

ARCH6095 - ACOUSTICS AND LIGHTING DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Integrate cultural & environment system in acoustics and lighting design; Integrate supporting needed for acoustics and lighting design; Construct the business plan and evaluate the business model.

Topics: The Fundamentals of Light; Customer Profile; Who are Our Next 10 Customers?; Designing Light; Lighting Design Strategies; High level Specs Product/Service Specification; The Lighting Plan; Basic of acoustic design; Quantify Value Proposition; Chart Competitive Position; Acoustics Design Strategies; Design Business Model; Integrated Acoustics for Architectural design.

ARCH6096 - ARCHITECTURAL RESEARCH METHODS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the problems of human needed in architecture research; Apply professional ethics in architecture research; Arrange building system in architecture research; Integrate cultural & environment system in architecture research.

Topics: Introduction to Architectural Research Methods; Method overview; Pre-method; Knowing what's known; Parts of methods; Observation; Interview; Survey; Qualitative/ interpretive methods; Case Study and Historical methods; Quantitative methods; Methods in Architecture and other Design Practices; Summary and conclusion.

ARCH6100 - ADVANCED INTEGRATED ARCHITECTURAL DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: understand the planning process and integrated design; assess the various elements and components that constitute architectural project necessary in all the design stages; integrate the various elements and components into a design of architectural project; produce a design document with a critical explanation.

Topics: Advanced integrated design; The various elements and components in architectural design; Advanced concept and design development; Planning and designing the project based on integrated design process.

ARCH6103 - ARCHITECTURAL DESIGN COMPUTING III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the use of the tools available to study the environmental impact on the energy use of a building; Analyze information modelling methods to simulate environment and how it affects building; Create design information and its affects on buildings and surrounding; Construct the business plan and evaluate the business model.

Topics: Introduction to Sustainability in Design; Information Models and Sustainable Design Simulations; Building Information Modeling; BIM to Sustainable Design; Customer Profile; The Next 10 Customer; Natural light, shadows and reflection; Daylight simulation; Comfort zone and passive system; High level Specs Product/Service Specification; Energy simulation; Active system; Solar radiation; Solar access analysis; Acoustic simulation; Quantify Value Proposition; Chart Competitive Position; Wind simulation; Design Business Model; Optimizing design for sustainability; Adaptive building; Parametric design; Environmental data driven design.

ARCH6104 – INTERNSHIP (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: understand business system in architectural industries; understand the fundamental workings of the planning and designing, the construction and development process in Architectural Design Industry, Interior Design Industry, and Real Estate Industry; understand highly action research; apply professional ethic, administrative skill, and computing skill.

Topics: Spatial thinking, design analysis, design process, design development; Site supervision; Action research in industry; Employability and Entrepreneurial Skill in industry; Social responsibility; Final report, presentation and communication.

SUBJECT AREA: ARTS

ARTS6001 - ART PRINCIPLES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define basic theory with understanding the basic theory of nirmana; Interpret the language of symbols, semiotics, and imaging in the visual art; Apply the creative process in supporting the creation of art and design.

Topics: Design Element; Design Element : Colour Theory; Design Principle; Art & Fine Art; Basic Semiotics; The Process of Creative Thinking.

ARTS6004 – HISTORY OF WESTERN ART (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify western art history and culture from prehistoric to modern and contemporary period; Describe the characteristics and cultural concepts of each period; Differentiate the characteristics and cultural concepts of each period; Evaluate the art development, characteristics and style of each period.

Topics: Prehistoric Art; Early Civilization: Mesopotamia; Early Civilization: Ancient Egypt; Classic Civilization: Ancient Greece; Classic Civilization: Ancient Rome; Christian Art; Renaissance; Baroque & Rococo; 19th Century Art; Early Modern Art: Late 19th-20th Century; Modern Art: 20th Century.

ARTS6005 – HISTORY OF EASTERN ART (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the development of Buddhist, Hindu and Islamic art from each part of Asia, as well as Middle East; Describe the characteristics and cultural concepts of Buddhist, Hindu and Islamic art from each part of Asia, as well as Middle East; Differentiate the characteristics and cultural concepts of Buddhist, Hindu and Islamic art in each area; Evaluate the art development, characteristics and style of each area

Topics: Introduction; Early Civilization: Indus Valley; Buddhist and Hindu Art: India; Buddhist and Hindu Art: China; Buddhist and Hindu Art: Japan; Buddhist and Hindu Art: Korea; Buddhist and Hindu Art: South East Asia; Islamic Art: Middle East; Islamic Art: Turkey & Spain; Islamic Art: India; Mesoamerica & South America: Mexico & Guatemala; Mesoamerica & South America: Peru; Pacific: Polynesia & Australia.

ARTS6006 – HISTORY OF INDONESIAN ART (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Indonesian art and culture from prehistoric to contemporary period; Describe the characteristics and cultural concepts of each period; Compare and differentiate the characteristics and cultural concepts of each period; Interpret Indonesian art and culture, in particular the characteristics and cultural concepts within design perspectives.

Topics: Prehistoric Art: Paleolithic and Mesolithic Era; Prehistoric Art: Prehistoric Neolithic, Megalithic and Bronze Age; Hindu-Buddhist Influences in Indonesian Art: Architecture; Hindu-Buddhist Influences in Indonesian Art: Sculpture and Reliefs; Islamic Influences in Indonesian Art: Architecture; Islamic Influences in Indonesian Art: Wayang and Batik; Western Influences in Indonesian Art; Western Influences in Balinese Art; Early Modern Art Movement: PERSAGI; Early Modern Art Movement: Revolutionary Years and The Art Academies; Contemporary Indonesian Art and Design; Nusantara Art & Architecture: Sumatra, Java and Bali; Nusantara Art & Architecture: Kalimantan, Sulawesi and Nusa Tenggara.

ARTS6012 – HISTORY OF ART (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify and appreciate major timeframes, movements and artistic influence in art history; Discuss their understanding of how both Western and Non-Western art history affects and was affected by the dynamic change of culture we live in; Use strong arguments about the connection between major intellectual and artistic developments; Create artworks inspired by the movements in history; Identify the influence of older visual art forms in film throughout the history of the medium; Translate their knowledge and appreciation of art history into their work as scholars and filmmakers.

Topics: The course provides basic thinking and theories behind the development of fine art, seeing art and its functions inseparable from civilization, followed by studying different branches of art. The class continues with discussion of connection between art and society, discussing craft, high arts, Western arts and non-Western arts, and art functions: merely aesthetic or social/political/economic expression. The class also discusses how visual arts inform the medium of film and the process of filmmaking throughout history.

ARTS6015 – AESTHETICS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain basic concepts in traditional and modern aesthetic theories; Discover specific aesthetic concepts within any given artwork; Relate theoretical elaborations of aesthetics to visual art experiences.

Topics: What is Aesthetics 1; What is Aesthetics 2; Imitation Theory 1; Imitation Theory 2; Imitation Theory 3; Expression Theory 1; Expression Theory 2; Expression Theory 3; Formalism 1; Formalism 2; Formalism 3; Formalism 4; Beyond Formalism.

SUBJECT AREA: BUSS

BUSS6043 - INTRODUCTION TO E-BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the difference between e-commerce and digital business; Explain the concept of digital business strategy; Analyze the strategies of digital marketing; Analyze the impact of change management.

Topics: Introduction to digital business and e-commerce; Marketplace analysis for e-commerce; Managing digital business infrastructure; E-environment; Digital business strategy; Supply chain management; E-procurement; Digital marketing; Customer relationship management; Change management; Analysis and design.

BUSS6044 – INTERNSHIP (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: applied Information Systems and Management competencies in organization and writing academic paper that related with information system management.

Topics: Internship at industry/research/Start Up business/study abroad/ Social and community empowerment.

BUSS6045 - TECHNOPRENEURSHIP APPLICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: applied Information Systems and Management competencies and generate idea for develop an application.

Topics: Internship at industry/research/Start Up business/study abroad/ Social and community empowerment.

BUSS6047 - E-BUSINESS STRATEGY (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of e-business strategy on value creation and capturing; Differentiate the e-business market segmentation; Analyze opportunities of new market spaces in e-business; Utilize mobile e-commerce and u-commerce as a strategy.

Topics: Key terminology and evolution of e-business; The e-business strategy framework; External analysis: the impact of the internet on the macro-environment and on the industry structure of e-business companies; Internal analysis: e-business competencies as sources of strengths and weaknesses; Strategy options in e-business markets; Sustaining a competitive advantage over time; Exploiting opportunities of new market spaces in e-business; Creating and capturing value through e-business strategies: the value-process framework; Choosing the appropriate strategy for the internal organisation of e-business activities; Choosing the appropriate strategy for interaction with suppliers; Choosing the appropriate e-business strategy for interacting with users; Moving from wired e-commerce to mobile e-commerce and u-commerce.

BUSS6056 - BUSINESS ETHIC (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe functions of business ethic; Apply business ethic in organization.

Topics: Ethical Theory and Business; Corporate Culture, Governance, and Ethical Leadership; The Meaning and Value of Work; Moral Rights in the Workplace; Ethical Responsibilities in the Workplace; International Business and Globalization.

BUSS6057 - BUSINESS ETHIC (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe functions of business ethic; Apply business ethic in organization.

Topics: Ethical Theory and Business; Corporate Culture, Governance, and Ethical Leadership; The Meaning and Value of Work; Moral Rights in the Workplace; Ethical Responsibilities in the Workplace; International Business and Globalization.

BUSS6058 - BUSINESS ETHIC (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe functions of business ethic; Apply business ethic in organization.

Topics: Ethical Theory and Business; Corporate Culture, Governance, and Ethical Leadership; The Meaning and Value of Work; Moral Rights in the Workplace; Ethical Responsibilities in the Workplace; International Business and Globalization.

BUSS6076 - INFORMATION SYSTEMS AND BUSINESS ETHICS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe functions of business ethic; Apply business ethic in organization.

Topics: Ethical Theory and Business; Corporate Culture, Governance, and Ethical Leadership; The Meaning and Value of Work; Moral Rights in the Workplace; Ethical Responsibilities in the Workplace; International Business and Globalization.

BUSS6079 - TECHNOPRENUERSHIP PAPER (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: applied Information Systems and Management competencies and construct scientific paper that related with technoprenuer.

Topics: Internship at industry/research/Start Up business/study abroad/ Social and community empowerment.

BUSS6088 - CURRENT ISSUE IN BUSINESS AND TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify business, technology and other related terms; Discuss and able to explain about current issue in business and technology for any kind of organization; Analyze current issue in business and technology for any kind of organization.

Topics: All topics will follow based on speaker, but will be related with business and technology current issue.

BUSS6131 - ETHICS & CORPORATE GOVERNANCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of corporate governance including the role of Information System; Demonstrate the role of board in corporate governance; Understand the role of institutional investor and transparency in corporate governance; Explain the accountability of corporate governance and stakeholder; Explain the future challenge in corporate governance environment.

Topics: Defining Corporate Governance; The Impact of Corporate Governance Weaknesses and Failure; Corporate Governance Reform in the UK; The Role of Boards in Corporate Governance; The Role of Institutional Investors in Corporate Governance; The Role of Transparency, Internal Control and Risk Management in Corporate Governance; An Introduction to Corporate Governance Systems Worldwide; A Reference Dictionary of Corporate Governance and

Information Systems; Corporate Governance and Stakeholder Accountability; Responsible Investment; Future Directions for Corporate Governance and Accountability.

BUSS6137 - TOURISM E-BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the importance of technology for tourism business; Explain how tourism businesses can engage with technology; Discover influencing factors for the use of technology for sustainable tourism business; Analyze technological development that likely to impact tourism.

Topics: Defining and classifying Tourism e-businesses; Impact on tourism businesses and competitive strategy; The basics of Tourism e-business technology; The markets for tourism electronic commerce; Tourism e-Marketing; Analysing the industry impacts of e-business; Developing an e-business strategy.

BUSS7001 – INTERNATIONAL BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic terms and concepts that are commonly used in the study of international business; Discover the different cultural, political, legal, economic, and society forces in the international environment and their impact on international business; Apply the appropriate cross-national cooperation and agreements, and exchange rates mechanism for ensuring effective control and decision-making in international business; Apply the appropriate evaluation, selection and strategies that a company may implement as it ventures into international business operations; Analyze the various operational or functional issues of international business operations with respect to international organization, and human resource management.

Topics: An Overview of International Business and Globalization Chap 1; Culture; Governmental and Legal System; The Economic System and Market Methods; Economic Integration and Cooperation; Market for Foreign Exchange; Ethics and Social Responsibility; Strategies for International Business; Evaluation of Countries for Operation; Modes of Trading Internationally; Form and Ownership of Foreign Production; The Organization and Governance of Foreign Operation; Global Management of Human Resources.

SUBJECT AREA: CHAR

CHAR6013 – CHARACTER BUILDING: PANCASILA (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain Pancasila as the basic, state ideology, and system of philosophy and ethics; Apply the values of Pancasila in actions concern; Analyze the ethical issues related to the development of science and technology; Analyze the issues of tolerance and diversity; Analyze the problems of democratic leadership and social justice.

Topics: Introduction: Pancasila as the Source of Character Education; Pancasila as the State Ideology; Pancasila in Indonesia Nation History Studies; Pancasila as the Ethical Basic in Developing Science and Technology; Faith in God; Tolerance and Cooperation Among the Religious; Justice and Civilized Humanity; Human Rights; Multiculturalism; Cultures Interaction; Democratic Leadership; Pancasila Democracy; Social Justice.

CHAR6014 – CHARACTER BUILDING: KEWARGANEGARAAN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the meaning of citizens; Explain the meaning of social values and norms; Explain the meaning of constitution, rights and obligation of citizen; Analyze the relation of Archipelago, Diversity and national integration; Describe the challenges of globalization on national resilience, national identity and nationalism; Describe how to participate in global community.

Topics: Introduction to Civics Education; The Others as Fellow Citizens; Social Values and Norms; State and Constitution; The Rights of Citizens; The Archipelago of Indonesia; Diversity and Social Conflict; Local Autonomy; National Integration; National Resilience; National Identity of Indonesia; Nationalism; Participation in Global Citizen.

CHAR6015 – CHARACTER BUILDING: AGAMA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the nature of religions; Explain the roles of religions for the world peace; Explain the consciousness of human; Analyze the influence of secularism to the religion; Describe the meaning of rituals of religion; Apply the values of religion in the daily life.

Topics: Introduction to CB Religion; The Religion in General; Recognizing God Based on the Holy Scriptures; Recognizing God by Nature; Recognizing God by Human Being; The Role of Religion for World Peace; Criticism to the Religious Formalism; Conscience; Religion and Secularism; Religious Rituals; Being humble and Forgiving; Being a Religious Person; The Religious Meaning of Work.

CHAR6022 - CHARACTER EDUCATION FOR PRIMARY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain character education for elementary students; Create character education environment by involving parents and society; Design character education curriculum; Recognize the responsibility as a character Educator.

Topics: Course Overview & Introduction to Character Education for Primary; Why Character Education is importance; Make a good choice: Views, Values, or Virtues?; The Condition That Create a Negative Ethos; Cultivating Character Through the Curriculum; Exemplary Moral Education Curriculum; Engaging Parents in Character Education; Parenting Principles; The Teacher's Work : Nurturing Character; The Role of Teacher Education; Building Commitment to Character Education; Helping Student Take Command; The Teaching Power of a School's Ethos.

CHAR6023 – CHARACTER BUILDING: PANCASILA (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain Pancasila as the basis and the state ideology; Apply the values of Pancasila in action concerns; Analyze the ethical issues in developing science and technology; Analyze the issues of faith in God and tolerance in diversity; Analyze the problems of Pancasila democracy and justice.

Topics: Introduction: Pancasila Education as Character Education; Pancasila as the State Ideology; Pancasila as the Ethical Basis in Developing Science and Technology; Faith in God; Just and Civilized Humanity; Human Rights; Multiculturalism; Cultures Interaction; Democratic Leadership; Social Justice.

CHAR6024 – CHARACTER BUILDING: KEWARGANEGARAAN (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain the meaning of citizens; Explain the meaning of constitution; Explain the meaning of rights and obligation of citizen ; Analyze the relation of Archipelago, social conflict and national integration; Describe the nature of national resilience, identity of Indonesia and nationalism; Describe how to participate in global citizen.

Topics: Introduction to Civics Education; The Others as Fellow Citizens; State and Constitution; The Rights of Citizens; The Archipelago of Indonesia; Diversity and Social Conflict; National Resilience; National Identity of Indonesia; Nationalism; Participation in Global Citizen.

CHAR6025 – CHARACTER BUILDING: AGAMA (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain the nature of religions; Explain the knowledge of God through nature and human being; Explain the roles of religions for the world peace; Explain the conscience and the criticism to the religious formalism; Describe the influence of secularism to the religion; Apply the values of religion in the daily life.

Topics: Introduction to the CB Religion; Recognizing God by Nature; Recognizing God by Human Being; The Role of Religion for World Peace; Conscience; Criticism to the Religious Formalism; Religion and Secularism; Humble and Forgiving; Being a Religious Person; The Religious Meaning of Work.

SUBJECT AREA: CHIN**CHIN6003 – CHINESE SCIENTIFIC WRITING (2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Design basic elements of research; Compose a literature study to support the research; Select the specific method and research tools for the research proposal; Write a clear and focused mini thesis in compliance with Binus ' format for Thesis S1.

Topics: Introduction to scientific writing; Introduction literature study; Introduction research methods I; Introduction research methods II; Introduction research methods III; Write Research Background; Methods for Language Learning Research; Methods for Literature Research; Designing Research Instruments; Data Analysis and Statistics; Writing Research Methods; Writing Research Proposal; Research Proposal.

CHIN6004 – CHINESE LANGUAGE I (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize Hanyu Pinyin and Chinese characters; Use the new vocabularies in phrase; Distinguish the usages of the grammatical points in a sentence.

Topics: Introduction to Chinese Language 1; Introduction to Chinese Language 2; Introduction to Chinese Language 3; Introduction to Chinese Language 4; Are You an International Student; Which Country Are You From; Where Do You Live; Where Is the Bank; Will you Have Classes Tomorrow; What Do You Do on Weekends; When Is Your Birthday; How Much Is a Cup of Coffee; How Is the Cafeteria; The forbidden City Is Located to the North of Tian'anmen; I'll Wait for you at the East Gate of the University; What Is Good Here; I Want to Give My Parents a Gift; Mid-Term Test Review; Can You Sing the Chinese Song Friends; You Can't Smoke Here; I've Got a Headache; Health Comes First; It Is More Convenient to Use an

ATM than to Go to the Bank; Beijing Is famous for Its Historical Sites and Chengdu for Its Natural Beauty; Exercise; We Had Hotpot; What Do You Think of His Acting; I Play Basketball Better than They Do; I Am Packing; My Sister Is Coming Out; Final Test Review.

CHIN6005 – CHINESE LANGUAGE II (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the meaning of new vocabularies in text; Apply the new vocabularies and grammatical points in sentences; Distinguish the correct usage of the grammatical points in a sentence correctly.

Topics: Hen Gaoxing Renshi Nin; Zheshi Wo Pengyou; Qu Youju Zenme Zou?; Ni Xiang Chi Zhongcan Haishi Xican?; Women Zhengzai Bao Jiaozi; Zuo Tian Ni Zuo Shenme le?; Ni neng Bang Wo Mai bei Kafei ma; Daifu Gei Wo Kai Le Yi xie Yao; Na Jian Bi Zhe Jian Pianyi Liangbai Kuai; Wo Mei Zhou Liu Xue Yi ge Xiaoshi Wushu; Mid- Term Test Review; Wo Shuo Hanyu Shuo de Yue Lai Yue Hao Le; Wo Xiang Zai Xuexiao Waimian Zu tao Fangzi; Wo Jicuo Shijian le; Wo Dang Guo Daoyou ma?; Wo Shi Qiantian Huilai de; Wo Zhihao Zou Shanglai le; Ta Chuanzhe Hunsha Zhen Piaoliang; Wo ba Luxing Xiang Bandao Ni Fangjian le; Final Test Review.

CHIN6006 – CHINESE LANGUAGE III (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the meaning of new vocabularies in text; Apply the new vocabularies and grammatical points into a sentence or a paragraph; Distinguish the correct usage of the grammatical points in a sentence correctly; Discuss the difference between Chinese and Indonesian culture which is mentioned in the text.

Topics: Nabian zou guo lai yi ge ren; Wo ba zhuozi he yizi dou bai hao le; Wo yidianr ye kan bu chulai; Wo xiang yi fangjia jiu huiguo; Ta bei zhuangdao le; Xiang qu nar jiu qu nar; Fuqin de ai; Yuanwang; Duo nian fuzi cheng xiongdi; Gongtong jingli yichang aiqing; Mid Term Review; Chunjie huijia ma?; Shei jia de haizi; Xuexi Hanyu de ku yu le; Di yi bei taotai le; Mingren yu gaokao; Zhongguo dianxin; Wo ranshang le Zhongguo ren de "ji"; Nver de hunli; Final Review.

CHIN6007 – CHINESE LANGUAGE IV (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the meaning and the usage of Chinese Vocabularies; Construct the sentences using proper grammar points; Distinguish the collocation and usage of Chinese Synonyms.

Topics: Zhongguoren de Shenghuoguan; Renminbi Beimian de Fengjing; Quan Shijie dou Ai Da Xiongmao; Qian Gai Zenme Hua; Yangkuaican Yu Lao Beijing Xiaochi; Weibo Bing; Yuanfen; Zuozaishiiguang Shang; Shi Shang Zuihao de Ai; Yuanman de Wuhui; Man Shenghuo; Qingchunqi Pengshang Gengnianqi; Wo Wang Dong, Ta Wang Xi; Chenghu Zhi Nan; Jintian, Ni Xinqing Hao ma?.

CHIN6008 – CHINESE LANGUAGE V (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the usage of new Chinese vocabulary that listing in the text; Conceive main points and specific details in dialogues and speeches related to social activities, personal life or work; Construct sentences or paragraphs about familiar topics related to personal experiences, study and social life coherently.

Topics: "SOHO yizu"de Kuailie yu Fan nao; Rang Muzhi Shuohua; Rensheng Zui Zhongyao de San Jian Shi; Meng Li You Ni; Review & Discussion 1; Lüse Wuding; Gushi Erze; Ceshi Ni de Shengcun Jiqiao; Review & Discussion 2; Guai guai Huijia Zhi Lu; Review & Discussion 3; Sanglan de Weixiao; Zai Pingfan Ye Keyi Huocheng Yizuo Fengbei.

CHIN6012 - CLASSIC CHINESE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the meaning of the reading passage generally; Select similar word between classical Chinese and modern Chinese; Interpret the selected classical Chinese passage to modern Chinese; Compose sentence using the common function word and the grammar point.

Topics: Yuyan Gushi; Shenhua Gushi; Gudai Xiaohua; Suyu Gushi; Wei Xue; Ai Lian Shuo; Review 1-6; Qian Zhi Lü; Lang; Dong Yong; Zhou Yafu Xi Liu; Yu Gong Yu Shan; Review 8-12.

CHIN6014 – READING II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Read several articles in Chinese language and retold the stories or articles that we read; Practice reading skills when reading articles or stories; Underline the main topic or the important point of stories or articles that read.

Topics: Chapter 1&2; Chapter 3&4; Chapter 5&6; Chapter 7&8; Review 1; Chapter 9&10; Chapter 11&12; Chapter 13&14; Review 2; Chapter 15&16; Review 3; Chapter 17&18; Chapter 19&20.

CHIN6016 - READING I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic strokes, structures and radicals of Chinese characters; Distinguish the meaning of unknown words using context clues and prior knowledge; Choose the answer to simple questions regarding the meaning of passages; Apply vocabulary building to improve reading skills.

Topics: Review 2; Basic Knowledge about Chinese characters; Review 1; Basic Chinese Characters used in conversation; Basic Chinese Characters used in conversation and passage; Basic Chinese Characters used in text.

CHIN6020 – COMPOSITION I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use certain vocabularies in the certain types of texts appropriately; Use grammars and punctuations in certain Chinese simple texts correctly; Compose simple types of texts.

Topics: Introduction; Memo; Compose A Short Story Through Pictures; Announcement and Poster; Rewrite story in your own words; Emails and Letters; Diaries.

CHIN6021 – COMPOSITION II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the extended and abridged stories techniques in writing; Use grammars and punctuations in certain Chinese texts correctly; Compose narrative types of texts (about people, place and events).

Topics: writing skill; narration-people; narration-place; narration-event.

CHIN6022 – COMPOSITION III (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use grammar and punctuation in certain Chinese texts correctly; Integrate the ideas and thoughts in a systematic and clear composition; Compose advance Chinese Types of texts.

Topics: Story; Description Text; Argument Text; Essay.

CHIN6024 – CONVERSATION I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Perform vocabularies and sentences with correct and accurate pronunciation and intonation; Speak suitable answer for the questions; Express vocabularies from the topic/picture in simple sentences; Demonstrate a dialogues with partners based on topic.

Topics: Pronunciation and Pinyin; Greeting and Introducing; Numbers; Date and Time; Directions and Accommodation; Review I; Living In China; Weekend; Teaching English; Christmas; Review II; Doing exercise; The computer is fixed; Review III; Decoration; Temperature; News; End of semester.

CHIN6025 – CONVERSATION II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the functional sentences of daily conversations; Practice the functional sentences of daily conversations; Apply the functional sentences into daily conversations according to given situation.

Topics: I haven't been to anywhere; Go to bed early at night; Let's go mountain climbing; Let me help you take them upstairs; He's from Singapore; This colour suits you well; The sooner, the better; I can't understand it, but I like it; I couldn't fall asleep no matter how; The subway is faster than the bus; It would be better to go to the hospital than to the drugstore; All the houses are new; They all say that the dumplings I make are delicious; Besides going to classes, what else do you do every day; I will be either in the office or in the conference room; Call to make a reservation immediately; I want a berth ticket to Guilin; It is said that all of these are handmade; I am preparing my CV; Make sure you don't lose it again; More than 85% of people watch this program; Your luggage is overweight; We certainly will keep in touch with you.

CHIN6026 – CONVERSATION III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Debate the answer according to the topic; Relate the story base on the given topic; Perform the dialogue according to the topic.

Topics: First day; Follow local customs; Hometown; Go or stay; Workaholic; School mass organizations; Treating people; Return goods; Rent a house; Believe or not; Learning and reference; Part work and part study system; Evaluation; Travel; Reading books; Unforgettable.

CHIN6027 – CONVERSATION IV (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Build correct pronunciation and intonation system; Use Intermediate Chinese common words and related sentences skillfully; Apply the ability in using language to communicate and discuss opinions of general topics of social life.

Topics: Zaijia kao fumu, chumen kao pengyou; Sankou zhi jia shi lixiang de jiating ma; Shuaka xiaofei, xiangshou shenghuo; Kenlaozu: Aiqi buxing, nuqi buzheng; Dige, xinku le; Yueliang daibiao wo de xin; Jian le zhima, diu le xigua; Jiaoyu xuyao peiyang quanmian fazhan de ren; Xuyao de hua, women gei ni da dianhua; Pangguanzhe qing, dangjuzhe mi; Chengshi rang shenghuo geng meihao; Ditan shenghuo, cong wo zuo qi; Xuni shidai, yiqie jie you keneng.

CHIN6029 – CHINESE THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the research problems, purpose and scope of research, basic theories; Analyze the problems, gather and compile data; Create a sound solution of the problems.

Topics: Finishing and discussion; Introduction: Basic principle in Thesis's structure; Chapter 1: Introduction; Chapter 2: Literature review; Chapter 3 Methodology; Thesis Proposal Examination; Data gathering 1; 40% of chapter 4 submitted and group presentations; Pra-thesis Examination; Data gathering 2; 100% of chapter 4 submitted and group presentations; Result, discussion and conclusion; Thesis approval.

CHIN6032 – IMAGES OF CHINA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the general condition of China and the cities; Classify the travelling areas in China; Organize a route trip to travelling area in China.

Topics: General Survey of China & Land of Charm and Beauty; Ancient Capitals of China: Beijing, Xi'an; Ancient Capitals of China: Luoyang, Nanjing; Ancient Capitals of China: Kaifeng, Hangzhou, Anyang; Modern Cities: Tianjin, Harbin, Wuhan, Chongqing; Modern Cities: Shanghai, Guangzhou, Shenzhen, Kunming; Review 1-6; Modern Cities: Suzhou, Qingdao, Dalian, Lhasa; Modern Cities: Hong Kong, Macau, Taipei; Travelling Around China : The Old Town of Lijiang, The Ancient City of Pingyao, Ancient Vilages in Southern Anhui; Travelling Around China : The scenery of Guilin, Wulingyuan, Huanglong, Jiuzhaigou; Travelling Around China : Mount Taishan, Mount Songshan, Mount Huangshan, Mount Lushan, Mount Wuyi, Mount Wudang; Travelling Around China : Mount Wutai, Mount Emei, The Giant Budha in Leshan, Mount Putuo, Mount Jiuhua.

CHIN6033 – HISTORY OF CHINA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Distinguish general facts, events, concepts related to the study of Chinese history; Identify problems or issues regarding historical events, facts and concepts; Demonstrate critical thinking through written articles or oral presentation about facts, events and customs in Chinese history.

Topics: Yuan Gu Shiqi; Xia Chao, Shang Chao, Xi Zhou; Chunqiu Zhanguo; Qin Chao; Han Chao; Wei Jin Nanbei Chao; Sui Chao, Tang Chao; Song Chao; Yuan Chao; Ming Chao; Qing Chao.

CHIN6034 – INTONATION AND PRONUNCIATION TEACHING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize tonation of each character of Chinese; Express a good pronunciation when they doing the exercises; Compare each pronunciation with different meaning.

Topics: The Tones and the Simple Finals; The Initial; International Alphabet I; International Alphabet II; Review And Comprehensive Exercises; The Compound Final; Nasal Finals; The Changes of Tones; The Changes of Tones II; The Neutral Tone; The r- Ending Retroflexion; The Changes in the Pronunciation Of "a"; Intonation.

CHIN6035 – CHINESE CULTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain general characteristics of Chinese culture; Recognize the classifications of Chinese culture; Discuss Chinese common cultural issues.

Topics: Zhongguo Chuantong Sixiang; Zhongguo Gudai Wenxue; Zhongguo Gudai Keji; Zhongguo Chuantong Yishu; Zhongguo Wenwu; Zhongguo Gudai Jianzhu; Zhongguo Gongyi Meishu; Zhongguo Minsu .

CHIN6061 – CHINESE LANGUAGE I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Summarise Students are able to summarise basic concepts of pronunciation system of Chinese Language and use Pinyin; Identify Students are able to identify the meaning and usage of new vocabulary; Apply Students are able to apply basic Chinese words and sentences in making conversations in Chinese.

Topics: Are you English?; What's your name?; Are you busy?; There are five people in my family; This is a computer.

CHIN6062 – CHINESE LANGUAGE II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use vocabularies to complete the sentences; Write common used Chinese Characters; Demonstrate a dialogues with partners based on topic.

Topics: Today is Xiao Wang's Birthday; Where Do You Work?; Review; My Daily Routine; Can I Help you?; What Do You Recommend?; Review.

CHIN6063 – CHINESE LANGUAGE III (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Write the Chinese Character of the picture or for answers the sentences; Translate vocabularies or simple sentences into Chinese or Indonesia; Demonstrate dialogues with partner or group based on topic.

Topics: Accommodation; Seeing a Doctor; Review I; Photo Shop and Barber; Review II; Buying Things; Review III; Visiting Family.

CHIN6071 – READING III (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Restate the reading skill that we have learned; Practice reading skills in reading articles; Identify the main idea or the main sentence in a Paragraph or in an article; Appraise the topic or author's opinion in an article.

Topics: Chapter 1 : Family's Love; Chapter 2 : Among Neighbours; Chapter 3 : Bird Paradise; Chapter 4 : Foreigners in China; Chapter 5 & Review (1); Chapter 6 : Laoshe Forever; Chapter 7 : The Charm of Science; Chapter 8,9 : The Wisdom of Chinese Characters; Chapter 10 : Forest and Earth; Chapter 11 : The Source of Life; Chapter 12 & Review (2); Chapter 13 : Save the Tibet's Antelope; Chapter 14 : Green Living.

CHIN6072 - CHINESE COMPUTER (2 credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe computer hardware in Chinese; Operate Chinese software; Create document with Microsoft office 2007 Chinese version.

Topics: Computer hardware and software; Introduction to Office 2010; Microsoft Word 2010; Review; Microsoft Excel 2010; Microsoft PowerPoint 2010; Review & Presentation.

CHIN6073 – LISTENING IV (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Select the correct answer according to the topic; Identify main idea of topic then do true or false exercise; Write the answer of the case on the recording; Rewrite correct words according to the recording.

Topics: Who I must listened; Difference; How to say; Given name in Chinese; Changes a job; Talk about Chinese New year; Penguins Married; Advertisement language; Computer benefit; Protection Environment; People depend on clothes; Chinese food; Buying or renting house better?; Do you want to buy a car?; Evaluation; Please come with me; Review.

CHIN6074 – READING IV (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Restate the advance reading skill that we have learned; Analyze the main idea in articles; Explain the meaning of articles that we have read; Rewrite the articles with own words.

Topics: Chapter 16 : Let the "old "have safety place; Chapter 17 : The Casualty; Chapter 18 : The culture of Chinese tea; Chapter 19 : Eating in China; Review 1; Chapter 20 : The culture of Chinese Alcoholic drink; Chapter 22 : China's Mountains; Chapter 23 : The Charm of Beijing Opera; Review 2; Chapter 25 : RMB and Bank; Review 3; Chapter 26 : The internet's Era; Chapter 27 : The knowledge of diet.

CHIN6079 - INTERNSHIP I (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply English, Literary, Linguistic and Cultural knowledge in the workplace; Practice Good manner and Professionalism in the workplace; Discuss issues in the workplace in the academic manner (through report writing and seminar).

Topics: Introduction to Internship; Mind and Manner; Communication; Professionalism and Performance; Focusing on an Issue for Analysis; Report Writing and Seminar.

CHIN6080 - CHINESE WORK ETHIC IN INDUSTRY (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Describe Chinese Work Ethic in Industry, Discuss Chinese Work Ethic in Industry, Apply Basic Chinese Work Ethic in Industry.

Topics: Chinese work ethic culture, Chinese work ethic philosophy, Chinese work ethic application, Chinese work ethic history.

CHIN6081 - CHINESE COMMUNICATION IN INDUSTRY I (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Describe Chinese Communication in Industry, Discuss Chinese Communication in Industry, Apply Chinese Communication in Industry.

Topics: Basic Chinese communication in Industry, Chinese communication principal, Chinese communication application.

CHIN6083 – INTERNSHIP II (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply English, Literary, Linguistic and Cultural knowledge in the workplace; Practice Good manner and Professionalism in the workplace; Discuss issues in the workplace in the academic manner (through report writing and seminar).

Topics: Introduction to Internship; Mind and Manner; Communication; Professionalism and Performance; Focusing on an Issue for Analysis; Report Writing and Seminar.

CHIN6084 - CHINESE WRITING SKILLS IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: write report, write meeting report, write office correspondence, operate Chinese operating system and software application.

Topics: office correspondence letter, correspondence ethics, Chinese operating system.

CHIN6085 - CHINESE COMMUNICATION IN INDUSTRY II (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Discuss Chinese Communication in Industry, Apply Chinese Communication in Industry, Value Chinese Communication in Industry.

Topic: Intermediate Chinese Communication in Industry, Chinese Communication Application, Chinese Communication in Industries.

CHIN6086 – EES IN INDUSTRY II (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain advanced theories of entrepreneurship; Relate success stories of entrepreneurship with case studies; Design a good business plan using case studies.

Topics: Introduction; The core of Internship; The origins of Ideas, creativity, and innovations; Opportunity recognition; The ups and downs of entrepreneurial life; Reviews for mid term; Ingredients of entrepreneurial success; Protecting your ideas; Planning for success; Preparing the final project.

CHIN6087 – LISTENING III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Summarise the main idea of topic using Chinese language; Select the correct answer according to the topic; Analyze main idea of topic then do true or false exercise; Write the answer of the case on the recording.

Topics: Chinese tradition; Neighbours; Differences with Chinese; Giving presents; Thank you for your “birthday”; Talking about marriage; Man and woman; DINC Marriage; Long to see one’s son become a dragon; Mother and child; Sacrifice a life; Charging; Review; Accept the situation; Swear off smoking and drinking; How to take a rest.

CHIN6088 - LISTENING I (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Express correct pronunciation and intonation according to the records; Select the correct answer according to the topic; Analyze main idea of topic then do true or false exercise; Write the right answer according to the records; Rewrite the Chinese character according to the record.

Topics: Pronunciation and intonation; Making an inquiry; Negotiation; Numbering; Sentence stress; Continuously and expression; Pivotal Sentences; Evaluation; Modal Verb; Review.

CHIN6093 – LISTENING II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Select the correct answer according to the case; Identify meaning of the story then do true or false exercise; Rewrite correct words according to the recording; Write the answer of the case on the recording.

Topics: Comparative sentences; Complement; Review; The existence emergence sentences; “ba” sentences; Evaluation; Rhetorical question.

CHIN6094 – READING CHINESE NEWSPAPER (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Underline the main topic and the important point of articles and news; Explain the content of the news text; Use the specific vocabularies on the news texts; Propose the potential showcase business project.

Topics: New trends in the development of food and beverage industry; Customer Insight and Market Analysis; Business Model Environment; How Far the Low Carbon Travelling from us?; TV dating show social responsibilities; Product and Service Development; How to Deal with "Sleep Crisis"; Professional Women have to self-regulate body and mind; Prototyping Product; Survey of Chinese Students Consumption; Evaluation; Final review; The Marriage of celebrity.

CHIN6095 – CHINESE LANGUAGE IN MARKETING COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize vocabulary's pronunciation, intonation and meaning; Use vocabularies in simple sentences; Demonstrate simple conversation based on topic; Perform basic conversation that can be used in the professional field.

Topics: Basic Chinese Pronunciation and Tones; Basic Chinese Stroke; Greeting; Number; Introduced Myself; Date & Time; Review 1; Direction and Address; Evaluation (1); Money; Review 2; Working Field; Future Jobs; Review 3; Jobs Description; Jobs Interview; Evaluation (2).

CHIN6096 – CHINESE LANGUAGE IN MASS COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize vocabulary's pronunciation, intonation and meaning; Use vocabularies in simple sentences; Demonstrate simple conversation based on topic; Perform basic conversation that can be used in the professional field.

Topics: Basic Chinese Pronunciation and Tones; Basic Chinese Stroke; Greeting; Number; Introduced Myself; Date & Time; Review I; Direction and Address; Evaluation Mid-Term; Money; Review II; Working Field; Future Jobs; Review III; Jobs Description; Jobs Interview; Evaluation Final-Term.

CHIN6097 - MODERN CHINESE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic structures of Chinese phonetic, character, vocabulary, and grammar; Classify the Chinese phonetic, character, vocabulary, grammar and rhetoric based on the Chinese language theories; Analyze Chinese language based on Chinese phonetic, character, vocabulary, grammar and rhetoric from the perceptual to rational perspectives.

Topics: Introduction to Chinese Language; Chinese phonetic; Chinese Characteristic; Chinese Vocabulary; Chinese Grammar; Chinese Rhetoric.

CHIN6103 - INTRODUCTORY CHINESE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize vocabulary's pronunciation, intonation and meaning; Use vocabularies in simple sentences; Demonstrate simple conversation based on topic.

Topics: Chinese Phonetics; Chinese Characters; Meeting for the first time; Self-Introduction; About time; How to say it in Chinese; Review 1; Inviting someone to dinner; Discussing Time; Mid-term Exercise; About weather; Review 2; A day's plan; Review 3; Bank currency; Chinese Food; Final-term Exercise.

CHIN6104 - INTRODUCTORY CHINESE II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use vocabulary's pronunciation, intonation and meaning; Speak about the topics given in dialogues or answer questions; Write the Chinese vocabulary and Chinese Character formation.

Topics: Meeting Acquaintances; My Family; About Numbers; Getting Lost; Attending a Conference or Ceremony; Discussing Places; Food; Travel Arrangements; Review; Vehicles; Beijing.

CHIN6110 - EES IN INDUSTRY I (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Reveal the kinds of skills required in the contexts of certain industries; Analyze the effectiveness of EES skills in industry through report; Demonstrate the employability and the entrepreneurial skills needed in industry.

Topics : Understanding EES at work; People skills in industry; Social skills in Modern world ; The Professional Self; Chinese communication skill at work; Be a good listener at work; Explaining oneself professionally; Delivering complaints & Accepting criticism; Asking questions; Making appropriate feedback and praises; Reading between the lines; Case Studies and report Writing; EES workshop.

CHIN7039 – BUSINESS CORRESPONDENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the format of business correspondence; Choose the suitable expression according to different type of business correspondence; Compose business correspondence.

Topics: Business Charts Writing 1; Business Charts Writing 2; Notice, Invitation and Letter of Appointment; Note, Announcement and Statement; Letter of Inquiry, Offer Letter and Letter of Acceptance; Reminder Letter; Review Topics Session 1-6; Business Correspondence 1; Business Correspondence 2; Application Letter; Congratulations Letter; Salutory; Appreciation Letter.

CHIN7076 - BUSINESS NEGOTIATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the business words and terms in Chinese; Apply the business words and terms in Chinese in conversation and negotiation; Demonstrate business conversation and negotiation in Chinese.

Topics: Visiting a factory; Meeting; Be interested in the new products; Asking the price; Product delivery; The payment method; The packaging; The sole agency; Contract signing; The claim.

CHIN7077 - INTRODUCTION TO CHINESE BUSINESS (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain Chinese Business and its related matters; Discuss Chinese Business and its related matters; Review Chinese Business and its related matters.

Topics: Chinese economic growth; Business and life; income and consumption; Chinese automobile industry; Foreign company and China; China and WTO; Case of trading disputes; Business negotiation; Bank, insurance, finance; China property.

CHIN7099 - CHINESE TEACHING METHODOLOGY FOR FOREIGNERS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic teaching strategies in Chinese teaching and main elements of Chinese teaching plan; Recognize a suitable strategy for each element of Chinese and the common mistakes the student encounter in study; Design a new strategy in teaching as well as develop the previous strategy; Construct the business plan and evaluate the business model.

Topics: Teaching Methodology and Classroom Teaching; Customer Profile; The Next 10 Customer; Pronunciation Teaching; Chinese Character Teaching; High level Specs Product/Service Specification; Vocabulary Teaching; Quantifying the Value Proposition; Chart Competitive Position; Grammar Teaching; Design Business Model; Teaching Plan & Demo Teaching.

CHIN8078 - MYTH, LEGEND, AND TRADITION OF CHINA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: explain the moral values of Chinese folk-customs and Chinese legends; describe aspects of Chinese folk-customs and Chinese legends; analyze case studies of the impact of Chinese folk-customs in Indonesia.

Topics: Minsuxue Gaiyao 1; Minjian Shenling 1; Minjian Shenling 2; Minjian Shenling 3; Shenhua Chuanshuo 1; Shenhua Chuanshuo 2; Shenhua Chuanshuo 3; Minsuxue Gaiyao 2; Chuantong Jieri 1; Chuantong Jieri 2; Chuantong Jieri 3; Lisu Jinji 1; Lisu Jinji 2.

CHIN8098 - CONTEMPORARY CHINA STUDIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe general facts, events, concepts related to the study of China panorama; Distinguish general facts, events, concepts related to the study of China panorama; Identify problems of issues regarding China panorama historical, facts and concepts.

Topics: Zhongguo de lishi; Zhongguo de renkou; Zhongguo de zhengzhi zhidu; Zhongguo de jingji; Zhongguo de jiaoyu; Zhongguo de wenxue; Zhongguo de guoji jiaowang.

SUBJECT AREA: CIVL

CIVL6001 – INTRODUCTION TO CIVIL ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify Civil Engineering Project through site visit program and multimedia; Explain about career and profession in Civil Engineering; Manage engineering teamwork and communication; Propose a research proposal and prepare a presentation; Design a research activity; Execute research activity include problem formulation, data analysis and data interpretation.

Topics: General Information of Civil Engineering; Branches of Civil Engineering; Fundamental Knowledge in Civil Engineering; Civil Engineering Community; Career and Profession in Civil Engineering; Concept of Research; Topic for Study; Executing the Research; Result, Inferences and Conclusions; Reports and Presentations.

CIVL6002 – CASE STUDY IN CIVIL ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain problems in Civil Engineering project; Identify the proper solving problem and analysis relating to civil engineering project problems; Analyze the various detail engineering study and design in civil engineering project; Calculate the various detail engineering study and design in civil engineering project; Describe the chosen appropriate and effective solving problem in civil engineering project; Apply preparation and executing design and construction methods in civil engineering project.

Topics: Introduction to cases which are common in the field (can be taught by guest lecturer); Introduction to cases of problem/failure encountered in the field of construction (can be taught by guest lecturer); Case studies for a high-level building projects (can be taught by guest lecturer); Case studies for infrastructure projects (can be taught by guest lecturer); Case studies for geotechnical projects and highway engineering project (can be taught by guest lecturer); Case studies for water and hydraulic projects (can be taught by guest lecturer); Case studies for project management (can be taught by guest lecturer); A review and evaluation of case, reparation and executing design and construction methods in civil engineering project (can be taught by guest lecturer).

CIVL6005 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the research problems, purpose, and scope of research, basic theories and concept of designs/construction; Analyze the problems, gather, and compile data; Create a design solution of the problems.

Topics: Topics discussion (selected proposal topics); Back Ground & Introduction; Literature review; Theoretical Study; Basic Research Activity; Data review and discuss the problem; Research Activity; Concept development & Theoretical Study; Concept Review (100% of chapter 1-3 submitted and individual presentation); Visualizing the idea; Research Activity II; Lecture discussion; Lecture discussion regarding research activity; Research Activity III; Data Analysis, and theoretical study; 75% of chapter 4 and 5 submitted and discussion; Design Review & Theoretical Study (100% of chapter 4 and 5 submitted and individual presentation); Final Project approval.

CIVL6007 - HARBOUR ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic concept of port planning design and various type of port; Analyze data used for port planning and design; Design port infrastructure (waterway, acces channel, turning basin, etc) in water area; Design port facility for berthing vessels (fender etc), and area needed for loading/ unloading storage area etc; Explain method of port operation.

Topics: Port and Harbour Management; Port Facility; Port Planning and Design; Port operation and maintenance.

CIVL6009 – URBAN DRAINAGE (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe basic knowledge of urban drainage and waste water management problems; Apply water quality in relation to urban drainage; Apply functions, inputs, and outputs of urban drainage system; Apply an overview of drainage design considerations and processes; Analyze management problems in an urban drainage system.

Topics: Introduction; Approaches to Urban Drainage; Water Quality; Wastewater; Rainfall; Stormwater; Hydraulic; Storm Sewer; Sewer Flooding; Integrated Management and Control; Sustainable Water Management.

CIVL6015 – GEOSYNTHETICS APPLICATION IN CIVIL ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Classify the geosynthetic material; Apply the geosynthetic material as a solution of geotechnical problems; Design the geosynthetic appropriate with project needed; Explain the handling and installation of Geosynthetic material; Select the suitable geosynthetic material.

Topics: Introduction; Geosynthetic materials and its properties; Geosynthetic Design; Geosynthetic handling and installation; Geosynthetic Applications to Special Case Studies.

CIVL6019 – SURVEYING (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the definition of surveying engineering and its application in civil engineering; Use the appropriate surveying equipments; Calculate the matters relating to surveying engineering and its application in civil engineering; Design the drawing and diagram of situation mapping.

Topics: Introduction; Land Surveying Equipments; Measurement of Distance and Angle; Coordinate Calculation; Height Measurement; Area Measurement and Calculation; Volume Calculation; Situation Mapping.

CIVL6021 – STATICS (4/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define each types of structural systems and classify whether it is statically determinate or indeterminate structures; Analyze statically determinate beam and portal structures with equations of equilibrium; Analyze Internal Loadings Diagram of beam and portal structures;

Analyze statically determinate truss structures; Analyze cables and three hinged arches structures; Compose influence lines diagram for statically determinate beam and truss structures.

Topics: Types of Structures and Loads; Analysis of Statically Determinate beam and portal Structures; Determine Internal Loadings Diagram of beam and portal structures; Analyse of Statically Determinate Truss Structure; Cables and Arches; Influence Lines Diagram for Statically Determinate Beam and Truss Structures.

CIVL6022 – SOIL MECHANICS (4/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the soil types and its properties; Compose soil physical properties base on its behaviours; Evaluate the water influence to soil behaviours; Calculate the basic analysis of soil mechanic matters; Solve the soil mechanic problems.

Topics: Introduction to soil mechanics; Steady state flow through soil; Compressibility of Soils; Shear Strength of Soil; Lateral Earth Pressure; Slope Stability.

CIVL6023 – FLUID MECHANICS AND HYDRAULICS (4/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the equation to hydrostatic problems and calculate flow rates, pressures and hydrostatic forces; Apply the energy equation to pipe flow problems and calculate flow rates, pressures, and head losses in pipe networks; Apply the energy and momentum equation to open channel flow and calculate water depths, discharge and water surface profiles for various flow configurations; Apply the energy equation, hydraulic jump, and the application to hydraulic structure (flumes, weirs, spillway, control gate, pumps and turbines).

Topics: Hydrostatics; Principles of Fluid Flow; Dynamic of Fluid Flow; Closed Conduit; Open Channel Hydraulic; Hydraulic Structure; Application of Hydraulic Structure.

CIVL6025 – HYDROLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the importance of hydrological processes; Calculate hydrological processes using mass and energy balance; Calculate design parameters for hydrological problems; Describe an overview of hydrological measurements; Analyse hydrologic design.

Topics: Surface Water; Introduction; Hydrologic Processes; Atmospheric Water; Subsurface Water; Hydrologic Measurement; Unit Hydrograph; Reservoir and River Routing; Flood Frequency Analysis; Hydrologic Design.

CIVL6027 – HIGHWAY ENGINEERING (2/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the principle of highway engineering; Design road geometric with vertical and horizontal alignment; Explain the road making materials; Design the road pavement; Explain the road maintenance.

Topics: Introduction to Highway Engineering; Road Making Materials; Pavement Analysis and Design; Geometric Design; Road Maintenance; Material Testing; Asphalt Mix Design; Asphalt Specimen Testing; Geometric Design; Pavement Analysis and Design.

CIVL6030 – ENVIRONMENTAL ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic principle of Environmental Engineering; Explain ecological concept and Natural Resources; Describe about air pollution, noise pollution and global warming and the impact to human; Use the knowledge of Water, Waste Water, Solid Waste and Hazardous Waste Treatment; Explain the Environmental Impact Analysis.

Topics: Introduction to Environmental Engineering; Ecological Concept and Natural Resources; Global Warming; Water Quality and Pollution; Water Treatment ; Waste Water Treatment; Hazardous Waste Treatment; Air and Noise Pollution; Solid Waste and Management; Innovations on Global Environmental Issue; Environmental Impact Analysis.

CIVL6035 – AIRPORT ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Airport, Airfield, Airport Facilities, Airplane Characteristic, Terms of Aviation, airport configuration and air traffic management; Explain airport master plan, regulation and feasibility study of airport; Calculate geometric areal of runway and taxiway; Design of terminal area; Calculate airport pavement and drainage; Describe environmental impact of the airport.

Topics: Introduction to Airport Engineering; Airport Master Plan; Geometric Design of the Airfield; Design of The Terminal Area; Airport Pavements and Drainage; Environmental Impact of Airport.

CIVL6037 – RAILWAY ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Summarise about railways such as history and evolution, strength and weakness of railways transportation; Explain about railways signal, switch, train schedule graphic and type of train station; Explain the type of rail structure, components, function of every component and classifications; Calculate the upper structure of rail design with static and dynamic load; Calculate the lower structure of rail design, track ballast, subgrade bearing capacity and drainage; Calculate the railway geometric design, vertical and horizontal alignment, radius of curvature, widening and raising the rail.

Topics: Introduction of Railway Transport and Railway Track; Upper Structure Design; Lower Structure Design; Geometric Design of Railway Track.

CIVL6053 – STRUCTURAL ANALYSIS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain statically indeterminate structure; Calculate deflection of statically determinate structure; Analyze statically indeterminate structure; Calculate internal forces of statically indeterminate structure; Use computer application for structural analysis.

Topics: Introduction to Statically Indeterminate Structure; Deflection Analysis; Analysis of Statically Indeterminate Structure by the Method of Consistent Deformation; Analysis of Statically Indeterminate Structure by the Three Moment Equation; Analysis of Statically Indeterminate Structure by the Slope Deflection Method; Analysis of Statically Indeterminate Structure by the Moment Distribution Method; Analysis of Statically Indeterminate Structure by the Flexibilities Method; Analysis of Statically Indeterminate Structure by the Direct Stiffness Method; Computer Application in Structural Analysis.

CIVL6054 – TRAFFIC ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic principle of traffic engineering and traffic management; Describe about the road capacity and level of service; Design the appropriate traffic survey; Design the traffic signal, intersection, and parking capacity; Explain about transportation safety.

Topics: Introduction to Traffic Engineering; Traffic Characteristic; Road Capacity and Level of Service; Traffic Survey; Intersection; Intersection Analysis using IHCM (Indonesia Highway Capacity Manual); Parking Design; Traffic Management; Transportation Safety.

CIVL6066 – CONSTRUCTION MATERIAL TECHNOLOGY (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the types of application of concrete; Explain the requirement of concrete material; Apply the basic method for concrete mix design and concrete testing; Analyze the application of lightweight concrete and high strength concrete; Explain the steel bar requirement and application; Define the business model and the business process and propose a project for a company.

Topics: Introduction to Construction Material Technology; Fine and Coarse Aggregate; Civil Engineering Business Market Segment; Ideation in Civil Engineering; Water, Admixture, and Cement; Visual thinking (Visualizing the Business Idea in Civil Engineering Field); Concrete, Concrete Mix Design, and Concrete Testing; Light Weight and High Strength Concrete; Prototyping the Business; Telling Stories about the Business; Creating Scenarios; Steel Reinforcement; Development in Concrete Technology.

CIVL6067 - MATERIAL KNOWLEDGE I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic knowledge of natural building material; Choose natural building material for interior project; Create material board for interior project presentation.

Topics: Building Material I; Interior Elements; Building Material and Furniture Symbol; Wood material; Stone material; Metal material; Natural material for Interior project; Material board for interior and furniture project.

CIVL6068 - DRAFTING AND DETAIL CONSTRUCTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the construction drawing with information in standardized drawing; Draw the interior details for interior design project; Apply the construction drawing for interior and furniture design project; Convert the furniture details for furniture design project.

Topics: Furniture details in construction drawing; Construction drawing for a simple building structure; Theory construction to the floor plan and wall treatment; Construction drawing for floor and wall plans; Theory for the construction of ceilings and lighting plans; Drawing for the construction of ceilings and lighting plans; Section drawing; Elevation drawing; Interior details in construction drawing; Construction drawing for furniture; Furniture section drawing, isometric drawing, and exploded view; Basic knowledge of building structures.

CIVL6069 - MATERIAL KNOWLEDGE II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the strength and weakness of artificial building material in interior and furniture; Classify the type, process, characteristic and installing techniques of various artificial building material; Apply the artificial material which is appropriate for interior and furniture projects.

Topics: Polymers; Glass; Ceramic; Fibre; Paint; Soft Furnishing.

CIVL6070 - BUILDING COMPONENT THEORY AND REGULATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Building science (lighting, ventilation, sound, sun and climate, wind); Explain building science in architectural and Interior design for room quality and low energy building in the tropic; Modify Interior elements for low energy purposes; Modify Apply potential challenges and of building performance simulation.

Topics: Introduction : Building Science; Low Rise Building; High Rise Building; Green Building; Building Performance Simulation; Wind and Building; Natural Ventilation and Design; Air Conditioning : Natural Ventilation and Mechanical; Daylight; Artificial Lighting; Acoustics, Sound, Noise; Thermal Control by Design; A view on future building system.

CIVL6072 - BUILDING CONSTRUCTION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the origin of engineering and engineering drawings and paraphernalia to draw; Explain the kinds of image projection; Explain a variety of projection axis and draw a simple dwelling house; Explain the objects and pieces of the image guidance technique; Describe the notation of building materials in a design drawing, the components of the building in the form of wall, and the building components; Describe the components - construction of buildings and their components and the manufacture of simple buildings in accordance with the terms which have been studied.

Topics: Construction Material and Design; Introduction; Construction Material and Design 1; Construction Material and Design 2; Building Construction and Design.

CIVL6073 - MECHANICS OF MATERIALS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Calculate design normal stress and shear stress of a members subjected to an axial load or direct shear; Draw the stress and strain diagram for a specific material structures and then define proportional limit, elastic limit, yield strength, ultimate strength, modulus of elasticity, and Hooke's Law; Analyze to a members subjected to axial, bending, shear and torsional loads; Calculate the principal stresses, principal planes and maximum shear stress when the material is subjected to both plane and three-dimensional states of stress; Calculate the maximum deflection on statically determinate beams, using the method of superposition.

Topics: Stress and Strain; Mechanical Properties of Materials; Axial Load; Torsion; Bending; Transverse Shear; Stress and Strain Transformation; Deflection of Beams.

CIVL6074 - CONSTRUCTION PROJECT MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct the business plan and evaluate the business model; Explain the project life cycle in a civil engineering project and the project planning's requirements; Calculate the time and cost of a civil engineering project; Calculate the project feasibility and how to control the cost of the project; Categorize the risk associated with the project according to the urgency.

Topics: Introduction to Project Management; Customer Profile; The Next 10 Customer; Planning; Network Scheduling Techniques; High level Specs Product/Service Specification; Estimating Cost; Quantify Value Proposition; Where is Your Positions? (Chart Competitive Position); Project Feasibility Evaluation; Design Business Model; Cost Control; Risk Management.

CIVL6075 - THEORY AND DESIGN OF CONCRETE STRUCTURES (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the structural system category based on the internal forces; Describe the ultimate limit state theory; Calculate the stress and strain at concrete section; Design the reinforcement of concrete beam and slab; Design the reinforcement of concrete column; Design the reinforcement of concrete foundation.

Topics: Introduction; Stress-Strain at Concrete Section; Bending Capacity of Concrete Section with Tension Reinforcement; Bending Reinforcement of Beam and Slab; Shear Reinforcement; Reinforcement of Concrete Column; Reinforcement of Concrete Foundation.

CIVL6076 - THEORY AND DESIGN OF STEEL STRUCTURE (2/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the properties of steel material and its application; Design the steel element of structure; Design the steel connection; Design steel plate girder structure; Design the base plate of steel structure.

Topics: Introduction; Design of Tension Members; Design of Compression Member; Design of Bending Members; Bolt Connection; Weld Connection; High Tension Bolt (HTB); Steel Column; Base Plate.

CIVL6077 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: implement and apply the civil engineering knowledge in the real project.

Topics: according to the project.

CIVL6078 - TECHNICAL DESIGN IN CIVIL ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: design a system, component, or process to meet desired needs; Graduates will be able to identify, formulate, and solve engineering problems.

Topics: according to the project.

CIVL6080 - CONSTRUCTION METHODS & HEAVY EQUIPMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the factors needed to be considered in choosing a construction method; Describe methods for earthwork construction; Differentiate the tools required for soil works, their functions, and their specification; Classify the heavy equipment to be used in various type of works based on their functions and specifications; Apply method of construction in a civil engineering project; Examine the process of cost estimating and scheduling for heavy equipment related to construction works in field.

Topics: Introduction to Construction Method; Planning for Earthwork Construction; Equipment for Soil Works; Transporting Tools; Tractor; Crane; Concrete & Concrete Equipment; Forming System; Foundation; Basement Construction Method; Equipment Management.

CIVL6081 - PROJECT EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: implement and apply the civil engineering knowledge in the real project.

Topics: according to the project.

CIVL6082 - TECHNICAL PROJECT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: design a system, component, or process to meet desired needs.; Graduates will be able to identify, formulate, and solve engineering problems.

Topics: according to the project.

CIVL6083 - LEADERSHIP AND ORGANIZATION BEHAVIOR (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: function on multi-disciplinary teams, An understanding of professional and ethical responsibility, Graduates will be able to communicate effectively.

Topics: according to the project.

CIVL6085 - STATICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define each types of structural systems and classify whether it is statically determinate or indeterminate structures; Analyze statically determinate beam and portal structures with equations of equilibrium; Analyze Internal Loadings Diagram of beam and portal structures; Analyze statically determinate truss structures; Analyze cables and three hinged arches structures; Compose influence lines diagram for statically determinate beam and truss structures.

Topics: Types of Structures and Loads; Analysis of Statically Determinate beam and portal Structures; Determine Internal Loadings Diagram of beam and portal structures; Analyse of Statically Determinate Truss Structure; Cables and Arches; Influence Lines Diagram for Statically Determinate Beam and Truss Structures.

CIVL6086 - ENGINEERING GEOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain and use the relevant engineering geological terminologies; Explain the importance, characteristic, behaviour and variability of earth materials, and their impact on civil engineering design; Identify the greater detail about weathering, erosion, sediment transport, sedimentation, volcanic activity on the civil engineered environment; Identify the methods of site investigation, the characterize of rock, sands, clays and soil from a geotechnical perspective.

Topics: Introduction to Engineering Geology; Rocks and Minerals; Rock Structures; Weathering of rocks; Soil formation and engineering classification; River, oceans and coastal management; Groundwater; Site Investigation; Natural Hazards; Landslide.

CIVL6087 - FOUNDATION ENGINEERING (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify and clarify the types and functions of foundation and retaining earth structure; Calculate the bearing capacity, settlement and lateral pressure of soil related to foundation and retaining earth structure; Design the dimension of foundation and retaining earth structure; Describe the installation method of foundation and retaining earth structure; Analyze the suitable type of foundation and retaining earth structure appropriate with field condition.

Topics: Introduction; Shallow Foundation; Retaining Earth Structure; Deep Foundation.

CIVL6088 - PROFESSIONAL ETHICS AND COMMUNICATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: function on multi-disciplinary teams, An understanding of professional and ethical responsibility, Graduates will be able to communicate effectively.

Topics: according to the project.

CIVL8038 – SOIL IMPROVEMENT METHOD (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Geotechnical problems; Classify the proper ground improvement methods relating to geotechnical problems; Analyze the various ground improvement methods; Calculate the various ground improvement methods; Choose the appropriate and effective types of ground improvement methods.

Topics: Introduction (Geotechnical Problems); Soft Soil (Problems and Stabilization Methods); Slope Stabilization; Unique Soils (Basic principle and Improvement Methods); Case Studies of Ground Improvement.

CIVL8056 – BRIDGE ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the bridge type and component; Describe the design Requirement of bridges; Describe the load applied on bridges; Design the bridge deck, concrete girder and Abutment; Describe Bridge Maintenance Program.

Topics: Introduction to Bridge Engineering; Design Requirement of Bridge; Bridge Loading; Design of Bridge Deck; Design of Bridge Super Structure; Design of Bridge Sub Structure; Bridge Maintenance.

SUBJECT AREA: CMDV

CMDV6026 – COMMUNITY DEVELOPMENT FOR FILM (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the needs in the community in relation with film industry; Design a plan to tackle the problems and needs in the community; Apply their prior knowledge in developing a program for the community; Demonstrate the ability to conduct the program in the community; Identify a community with a specific need related to film; Discuss the needs and possible solutions with the local community; Propose a plausible program for the community; Evaluate the sustainability of the program in the community.

Topics: Through this off-campus course, students will find a community where they can develop a program in order to solve their film-related problems. The programs developed can be ranged from educating the locals, creating a public service announcement (PSA), to building local film communities.

CMDV6035 - COMMUNITY OUTREACH PROJECT DESIGN IN INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to design the development of a project related information system that must be completed by applying the theories. Project or work that has been designed must be implemented in real world for development of society / community.

Topics: Develop and disseminate well products related information system that are valuable instruments to stimulate community thinking and practice.

CMDV6036 – COMMUNITY OUTREACH PROJECT DESIGN IN MOBILE APPLICATIONS PROJECT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design a project or work that must be completed by applying the theories gained during the lecture. Project or work that has been designed should be implemented in real world for the development and progress of society / community.

Topics: Based on community / community needs and student competence (according to student's department).

CMDV6037 – COMMUNITY DEVELOPMENT PROJECT DESIGN IN MOBILE APPLICATION PROJECT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design the development of a project / job or project / new job that must be completed by applying the theories obtained during the lecture. Project or work that has been designed should be implemented in real world for the development and progress of society / community.

Topics: Based on community / community needs and student competence (according to student's department).

CMDV6040 - COMMUNITY OUTREACH IS AUDIT PROJECT DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, students will able to design a project or work that must be completed by applying the theories gained during the lecture. Project or work that has been designed should be implemented in real world for the development and progress of society / community.

Topics: Depend on community needs and students competencies.

CMDV6044 – COMMUNITY OUTREACH IN ACCOUNTING AND FINANCE PROJECT DESIGN (2 Credits)

Learning Outcomes: After completing this course, students are able to design a project or work that must be completed by applying the theories they've learned in the class. Project or work that has been designed must be implemented in real world for development and progress of society/ community.

Topics: Based on community needs and student accounting competence.

CMDV6045 – COMMUNITY OUTREACH PROJECT DESIGN IN GAME TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, the student will obtain the ability to: Design a project for community outreach.

Topics: Problem Definition; Project management; Project Design Methods.

CMDV6046 – COMMUNITY DEVELOPMENT PROJECT DESIGN IN GAME TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: obtain the ability to design a project for community Development.

Topics: Problem Definition; Project management; Project Design Methods.

CMDV6057 – COMMUNITY OUTREACH PROJECT DESIGN IN COMMUNICATION CONTEXT (4 Credits)

Learning Outcomes: The purpose of this course is to prepare students on how to innovate and design new ideas for building awareness on a non-profit or profit venture that is designed to achieve a social goal, under the guidance and support of a mentor.

Topics: Environmental Scanning/ Define (think through problem); Design (develop and test an innovative solution); Pilot, Scale.

CMDV6058 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN COMMUNICATION CONTEXT (4 Credits)

Learning Outcomes: This course is to provide soft skills development learning to prepare and to implement a community outreach project.

Topics: Team Work; Leadership; Communication; Problem Solving & Decision Making.

CMDV6071 – COMMUNITY OUTREACH PROJECT FOR FOOD PROCESSING (4 Credits)

Learning Outcomes: On success completion of this course, the students are expected to be able to design a project to foster a local industry or a local community and empower them to prepare an appropriate procedure for processing of local foods.

Topics: Topic will be determined by the needs of the community include but not limited to food processing, food safety, and food technology.

CMDV6072 – COMMUNITY OUTREACH IN MATHEMATICS PROJECT DESIGN (4 Credits)

Learning Outcomes: Upon successful completion of this course, students will be able to design a project or a task that must be completed by applying the theories gained during the lecture. Project or task that has been designed must be implemented in the real world for development and progress of society / community.

Topics: Based on community needs and student competence (Computer Science & Mathematics).

CMDV6074 – COMMUNITY OUTREACH IN STATISTICS PROJECT DESIGN (4 Credits)

Learning Outcomes: Upon successful completion of this course, students will be able to design a project or a task that must be completed by applying the theories gained during the lecture. Project or task that has been designed must be implemented in the real world for development and progress of society / community.

Topics: Based on community needs and student competence (Computer Science & Statistics).

CMDV6084 – COMMUNITY OUTREACH PROJECT DESIGN IN LANGUAGE AND CULTURE (4 Credits)

Learning Outcomes: On success completion of this course, the students are expected to be able to design a project which has an important impact to the people within a community based on their knowledge related to language skills and cultural issues.

Topics: Topic will be determined by the needs of the community include but not limited to English language improvement and cultural discussion.

CMDV6095 – EMPLOYABILITY AND ENTREPRENEURSHIP SKILLS IN MATHEMATICS (3 Credits)

Learning Outcomes: Upon successful completion of this course, students will be able to applying *soft skills* in the workplace that can be a self reflection for students for their self development.

Topics: Team work; problem solving and decision making; communication; self management; planning and organizing.

CMDV6098 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN FOOD TECHNOLOGY (4 Credits)

Learning Outcomes: On success completion of this course, the students are expected to be able to empower the society to create an innovation or to improve the entrepreneurial skills of the people within the community by sharing the entrepreneurship knowledge in food processing and food technology learned in the university.

Topics: Team work; problem solving and decision making; communication; self management; planning and organizing.

CMDV6105 – ENGLISH LEARNING FOR EMPLOYABILITY AND ENTREPRENEURIAL SKILLS (3 Credits)

Learning Outcomes: On success completion of this course, the students are expected to be able to empower the society to create an innovation or to improve the entrepreneurial skills of the people within the community by sharing the entrepreneurship knowledge and language innovation they learned in the university.

Topics: Team work; problem solving and decision making; communication; self management; planning and organizing.

CMDV6108 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN STATISTICS (3 Credits)

Learning Outcomes: Upon successful completion of this course, students will be able to applying *soft skills* in the workplace that can be a self reflection for students for their self development.

Topics: Team work; problem solving and decision making; communication; self management; planning and organizing.

CMDV6116 - EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN INFORMATION SYSTEMS COMMUNITY (4 Credits)

Learning Outcomes: On successful completion of this course, students can apply soft skills in the real world that can be a reflection for students for their development.

Topics: Team work; Problem solving and decision making; Communication; Self management; Planning and organizing.

CMDV6124 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: Upon completion of this course, students will get a real work experience where the students can apply the theories in the course directly in the real world through completion of a project or work. Thus, student hard skills will increase. In addition, students also have valuable experience that can be used to help the progress and development of the quality of life of community.

Topics: Based on community needs and student competence (Computer Science & Mathematics)

CMDV6125 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: Upon completion of this course, students will get a real work experience where the students can apply the theories in the course directly in the real world through completion of a project or work. Thus, student hard skills will increase. In addition, students also have valuable experience that can be used to help the progress and development of the quality of life of community.

Topics: Based on community needs and student competence (Computer Science & Statistics).

CMDV6127 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On success completion of this course, the students are expected to be able to implement the project they have previously designed related to their language skill or cultural knowledge in the society. The language skill can be applied by giving the language training in the society and the cultural knowledge can be applied by helping the society to discuss and overcome cultural issues/conflict among people within the community.

Topics: Topic will be determined by the needs of the community include but not limited to English language improvement and cultural discussion.

CMDV6128 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, the students are expected to be able to implement and execute the project they have previously designed related to the local food processing into the local community.

Topics: Topic will be determined by the needs of the community include but not limited to food processing, food safety, and food technology.

CMDV6132 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: The purpose of this course is to conduct a community outreach project.

Topics: Evaluate the strategic plan, select team member, communicate with team member, measuring project outcomes.

CMDV6147 - COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: Upon completion of this course, the student will have real work experience where the student can apply the theoretical directly in the real world through completion of a project or job description, thus, student hard skills will increase. In addition, students also have valuable experience that can be used to help the progress and development of the quality of life of community.

Topics: Based on community needs and student accounting competence.

CMDV6148 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On Successful completion of this course, students are able to apply their knowledge in the real world through completion of a project or job assignment that will enrich their hard skills. Besides, students also have valuable experiences that can be employed to assist the improvement and development the life quality of the community.

Topics: Finance-related Project that support the improvement and development the life quality of the community.

CMDV6156 - COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, the student will have real work experience where the student can apply the theoretical directly in the real world through completion of a project or job. In addition, students also have valuable experience that can be used to help the development of the quality of life of community / society.

Topics: Educate community leaders and citizenry on the need for, implications and potential of a high growth community / society related information system area; Trigger community growth; Applied information system for the community development.

CMDV6157 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, students will get real work experience through completion of a project for community development.

Topics: Depend on community needs and students competencies.

CMDV6160 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have an experience in a real world, where the student will be able to apply the theory they have learnt to a real-world problem, particularly in a community outreach project.

Topics: Project Management; Project Implementation; Project Evaluation.

CMDV6161 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have real work experience where the student can apply the theoretical directly in the course directly in the real world through completion of a project or job desc. Thus, student hard skills will increase. In addition, students also have valuable experience that can be used to help the progress and development of the quality of life of the community / community.

Topics: Based on community / community needs and student competence (according to student's department).

CMDV6170 – COMMUNITY OUTREACH IN ACCOUNTING AND FINANCE PROJECT DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, students are able to design a project that must be completed by applying the knowledge in Finance. Project that has been designed must be implemented in the real world for improvement and development the life quality of the community.

Topics: Finance-related Project that support the improvement and development the life quality of the community.

CMDV6175 - EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN INFORMATION SYSTEMS COMMUNITY (4 Credits)

Learning Outcomes: On successful completion of this course, students can apply soft skills in the real world related information system area, that can be a reflection for their personal development.

Topics: Team work; Problem solving and decision making; Communication; Self management; Planning and organizing.

CMDV6185 – COMMUNITY DEVELOPMENT PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have an experience in a real world, where the student will be able to apply the theory they have learnt to a real-world problem, particularly in a community outreach project.

Topics: Project Management; Project Implementation; Project Evaluation.

CMDV6186 – COMMUNITY DEVELOPMENT PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have real work experience where the student can apply the theories directly in the course during real world study through development of a project / job or new project / job that can be implemented in real world for development and progress Community / community.

Topics: Based on community / community needs and student competence (according to student's department).

CMDV6194 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN GAME APPLICATION AND TECHNOLOGY COMMUNITY DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have research experience to implementing soft skills of Team Work, Communication, Problem Solving & Decision Making in a real-life experience.

Topics: Team Work, Communication; Problem Solving; Decision Making.

CMDV6195 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN MOBILE APPLICATION AND TECHNOLOGY COMMUNITY DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply soft skills in the real world that can be a reflection for students for their development.

Topics: Team work; Problem solving and decision making; Communication; Self management; Planning and organizing.

CMDV6200 - EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN INFORMATION SYSTEMS COMMUNITY (3 Credits)

Learning Outcomes: On successful completion of this course, students can apply soft skills in the real world related information system area, that can be a reflection for their personal development.

Topics: Team work; Problem solving and decision making; Communication; Self management; Planning and organizing.

CMDV6201 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN INFORMATION SYSTEMS COMMUNITY (3 Credits)

Learning Outcomes: On successful completion of this course, students can apply soft skills in the real world that can be a reflection for students for their development.

Topics: Team work, problem solving and decision making, communication, self-management, planning and organizing.

CMDV6204 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN GAME APPLICATION AND TECHNOLOGY COMMUNITY (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have research experience to implementing soft skills of Self-Management, Planning & Organizing, Initiative & Enterprise in a real-life experience.

Topics: Self-Management; Planning; Organizing; Initiative; Enterprise.

CMDV6207 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN ACCOUNTING AND FINANCE COMMUNITY (1 Credit)

Learning Outcomes: On Successful completion of this course, students are able to apply their soft skills in the real world that can be a reflection for their own development.

Topics: Team work; problem solving and decision making; communication; self-management; planning and organizing.

CMDV6218 – COMMUNITY DEVELOPMENT PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On Successful completion of this course, students are able to apply their knowledge in the real world through development of a project or new project that can be implemented for the improvement and development the life quality of the community.

Topics: Finance-related Project that support the improvement and development the life quality of the community.

CMDV6219 – COMMUNITY DEVELOPMENT IN ACCOUNTING AND FINANCE PROJECT DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, students are able to design the development of a project or new project that must be completed by applying the knowledge in Finance. Project that has been designed must be implemented in the real world for improvement and development the life quality of the community.

Topics: Finance-related Project that support the improvement and development the life quality of the community.

CMDV6220 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN ACCOUNTING AND FINANCE COMMUNITY DEVELOPMENT (4 Credits)

Learning Outcomes: On Successful completion of this course, students are able to apply their soft skills in the real world that can be a reflection for their own development.

Topics: Team work; problem solving and decision making; communication; self-management; planning and organizing.

CMDV6221 – PROGRAM DEVELOPMENT FOR COMMUNITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the needs in the community in relation with film industry; Design a plan to tackle the problems and needs in the community; Apply their prior knowledge in developing a program for the community; Demonstrate the ability to conduct the program in the community.

Topics: Through this off-campus course, students will find a community where they can develop a program in order to solve their film-related problems. The programs developed can be ranged from educating the locals, creating a public service announcement (PSA), to building local film communities.

CMDV6222 – PROGRAM EXECUTION FOR COMMUNITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify a community with a specific need related to film; Discuss the needs and possible solutions with the local community; Propose a plausible program for the community; Evaluate the sustainability of the program in the community.

Topics: Through this off-campus course, students will find a community where they can develop a program in order to solve their film-related problems. The programs developed can be ranged from educating the locals, creating a public service announcement (PSA), to building local film communities.

SUBJECT AREA: COMM

COMM6012 - THEORY OF COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify theories of communication; Explain theories of communication and give relevant examples; Apply theories of communication in daily life; Analyze various cases of communication problem in daily life.

Topics: Thinking About Communication: Definitions, Models, Challenge, and Ethics; Thinking About Theory and Research; Symbolic Interaction Theory (SIT); Coordinated Management of Meaning (CMM); Cognitive Dissonance Theory (CDT); Expectancy Violations Theory (EVT); Uncertainty Reduction Theory (URT); Social Penetration Theory (SPT); Social Exchange Theory (SET); Cultural Studies; Face-Negotiation Theory (FNT); Muted Group Theory (MGT); Communication Accommodation Theory (CCT).

COMM6014 - THEORY OF MASS COMMUNICATIONS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the mass communication theory and the effect of the rapid change for the media industries; Apply the application of mass communication in their everyday activities; Analyze the important role of audience, society, culture, and other forms of diversity in mass communication theory and media industries.

Topics: Understanding Mass Communication Theory; Four Eras of Mass Communication Theory; Media Industries And Mass Society Theory; The Age Of Propaganda; Normative Theories Of Mass Communication; Limited-Effects To Critical Cultural Theories (Part 1); Limited-Effects To Critical Cultural Theories (Part 2); Functionalism and Children; Critical and Cultural Theories of Mass Communication (part 1); Critical and Cultural Theories of Mass Communication (part 2); Audience Theory; Media and Society; Media and Culture Theories.

COMM6019 – PUBLIC OPINION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Manage the usage of public opinion in communication; Explain the specific character of public opinion; Analyse meaning, foundation, and definition of public opinion; Create the relationship between the data usage and public opinion in communication.

Topics: Introduction Expressing Opinion; Public opinion Process; Characteristic and Principle of Public Opinion; Censorship and Privacy; Agitation and Propaganda in public opinion; Public Relation as Managing Public Opinion; The Role of Public Relations in Forming Public Opinion; Public Opinion as Political Communication strategy; Public Relations Campaign for creating Public Opinion; Polling technique and Public opinion; Methods – Attitude Measurement; Using Data of Public Opinion; Measuring Image Via Public Opinion.

COMM6099 - INTERCULTURAL COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of intercultural communication and its applications in daily activities; Identify the aspects of culture in intercultural communication process; Analyze the condition of cultural setting which affects communication pattern; Apply appropriate communication strategies in multicultural settings.

Topics: Defining Culture and Communication; Perception and Intercultural Communication Competence; Barriers to Intercultural Communication; Language as a Barrier; Nonverbal Communication; Dimensions of Culture; Dominant U.S. Cultural Patterns; Comparative Cultural Patterns; Culture and Women; Immigration and Acculturation; Identity and Subgroups; Contact Between Cultures; Future Challenges.

COMM6100 - INTRODUCTION TO COMMUNICATION SCIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of communication process; Examine the role of communication in multiple contexts of human life; Evaluate the application of communication process in human life; Demonstrate the concepts of communication in daily life.

Topics: Why We Study Communication; Communication Past and Present; Communication as A Basic Life Process; Verbal Communication; Non Verbal Communication; Perception and Information Processing; Mediated Communication; The Individual: Identity and The Self; Interpersonal Communication and Relationships; Group Communication; Communication and Organizations; Intercultural Communication; Public Communication.

COMM6126 – CURRENT ISSUES IN BUSINESS COMMUNICATIONS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Appraise key principles in Business and Leadership in the Current Topics introduced; Discuss current issues in the area of Business and Leadership with acceptable English and good manner; Employ key principles and current topics through the assignment and project given.

Topics: Introduction; Current Issues in Business I; 1st Paper Submission; Current Issues in Business II; 2nd Paper Submission.

COMM6129 - ORGANIZATIONAL COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify the basic concepts of organizational communication; Describe the key aspects of organizational communication approaches and processes; Demonstrate the concepts of organizational communication in their everyday activities; Design the organizational communication pattern based on organizational concepts, approaches, and processes.

Topics: The Challenge of Organizational Communication; Classical Approaches; Human Relations and Human Resources Approaches; Systems and Cultural Approaches; Critical and Feminist Approaches; Socialization Processes; Decision-Making Processes; Conflict Management Processes; Organizational Change and Leadership Processes; Processes of Emotion in the Workplace; Organizational Diversity Processes; Technological Processes; The Changing Landscape of Organizations.

COMM6132 – NEWS PRODUCTION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain hard news program; Produce hard news program; Explain soft news program; Produce soft news program.

Topics: Definition news industry; Structure organization in news; Media studio; The pattern of news in industry; Planning a news media; How to Production bulletin news; Live and tapping news; Production news magazine; Indepth and investigation news; How to production indepth and investigation news; Feature and documenter; Preparation and Production feature and documenter; How to build feature and documenter after production.

COMM6133 - EES IN INDUSTRIAL PRACTICES (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Work in the dynamic team with tight deadline and less tolerance of errors; Communicate effectively with different type of persons; Prepare and present extensive reports.

COMM6135 – GLOBALIZED NETWORKING IN INDUSTRY (2 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Explain the process of Globalization and Social Change in industry; Differentiate the Character of Social Change in industry; Compare concepts of social change which generated by globalization process related to industry; Analyze the Perspectives of social politics and culture in industry.

Topics: Introduction: A view of social change in industry; Perspective of social change in industry : Cycle theory related to industry; Perspective of evolution theory related to industry; Perspective of conflict and Dialectic theory; Perspective of Structural-Functional theory; Perspective of Psychological Social theory; Perspective of Modern Theory; Internal and External factors of social change theory in industry; The mechanism of social change related to industry; The direction of social change: Globalization; The strategy of change in industry; Revolution: the ultimate of change in industry.

COMM6136 - EES IN PROFESSIONAL PRACTICES (4 Credits)

Learning Outcomes: After successfully completing this course, the students will have valuable experience related to industry environment; analyze time and crisis management; problem solving; business communication in written and spoken; develop personal skills in industry.

Topics: Business communication; industry relations; time management; crisis management.

COMM6139 – COMMUNICATION STRATEGY IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct their own concepts of communication strategy; Debate the determinant factors that influence company communication strategy; Designing various patterns of communication strategy programs; Recommend several communication strategy activities in responding negative issues from media content.

Topics: They Don't Get The Strategy; Ten Heresies; Communicate What, to Whom and Why?; Understanding and Motivating Change; What's in it for...?; Developing the Story of the Strategy; Let Me Tell You a Story; The Aligned Management Team; The Handcuffed Organization; Developing Your Communications Strategy and Plan; Final Thoughts; Case study in Communication Strategy (Domestic); Case study in Communication Strategy (International).

COMM6140 – CORPORATE CAMPAIGN IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify characteristic of corporate media campaign; explain the transformation of mass media in to industry; Design campaign project in digital media industry; Analyze code of ethics used in delivery digital campaign.

Topics: What is corporate campaign in industry; Mass communication Development; Characteristics of Digital Media campaign; Campaigning in Digital Media; Digital Marketing; Digital Advertising; Digital Company Profile; Digital Political Campaign 1; Digital Political Campaign 2; Digital Social Campaign 1; Digital Social Campaign 2; Journalism in Digital Media; Ethics in digital media.

COMM6141 – GLOBALIZED NETWORKING IN INDUSTRY (2 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Explain the process of Globalization and Social Change in industry; Differentiate the Character of Social Change in industry; Compare concepts of social change which generated by globalization process related to industry; Analyze the Perspectives of social politics and culture in industry.

Topics: Introduction: A view of social change in industry; Perspective of social change in industry : Cycle theory related to industry; Perspective of evolution theory related to industry; Perspective of conflict and Dialectic theory; Perspective of Structural-Functional theory; Perspective of Psychological Social theory; Perspective of Modern Theory; Internal and External factors of social change theory in industry; The mechanism of social change related to industry; The direction of social change: Globalization; The strategy of change in industry; Revolution: the ultimate of change in industry.

COMM6146 – GLOBALIZED NETWORKING IN INDUSTRY (2 Credits)

Learning Outcomes: By the end of this course, students will be able to: Compare knowledge Globalized Networking in Industry; Explain the concept of Globalized Networking in industry; analyze planning strategies Globalized Networking in industry; design PR programs to Globalized networking in Industry.

Topics: Strategic PR Planning in industry; Customer Relations through corporate Program; School and community relations; Strategic PR Planning, Managing Competition and conflict; Public Opinion and Persuasion; Event and promotions; Global Public Relations; Government and Politics; PR Case study in Global; industry Research and Campaign Planning; Communication and Measurement; Evaluation.

COMM6148 – BRANDING STRATEGY IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain strategic implications of branding; Construct brand diversity and brand management concept; Analyze branding strategy components; Compose brand campaign strategy.

Topics: Brand: Origins, Heritage and Importance; Strategic Implications of Branding; Brand Diversity: The types of brands; The new rules of brand management; Brand identity and positioning; Launching the brand; Sustaining a brand long term; Adapting to the market; Brand architecture; Brand transfers; Brand rejuvenation; Brand audit; Managing global brands.

COMM6157 - INTRODUCTION TO PUBLIC RELATIONS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the basic concept of Public Relations; Explain the application concept of Public Relations; Classify the function of Public Relations in Management.

Topics: Basic Understanding of Public Relations; Careers and Today's Practice on Public Relations; Reaching Diverse Audience; Mass Media and Internet; Ethics and Managing Conflict; Campaign Planning and Measurement; Public Opinion; Corporate Public Relations; Events and Promotions; Global Public Relations; Entertainment, Sport and Tourism; Government and Politics; Non-profit, Health and Education.

COMM6225 - BUSINESS COMMUNICATION (3 Credits)

Learning Outcomes: At the end of this course students will be able to: Illustrate building block for effective messages and creating goodwill in business communication; Give examples of how to create letters, memos, web writing and to polish them writing; Demonstrate some basic concepts and processes in interpersonal communication; Analyze business research, writing research reports, conduct a visual presentation of research results, and job hunting.

Topics: Building Blocks for Effective Messages; Creating Goodwill; Letters, Memos, Email, and Web Writing; Polishing Your Writing; Interpersonal Communication; Research, Reports, and Visuals; Job Hunting.

COMM6226 – BUSINESS COMMUNICATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe functions of business communication; Apply business communication in organization.

Topics: Becoming a Successful Business Communicator; Working with Others: Interpersonal, Intercultural, and Team Communication; Managing the Communication Process; Finding and Evaluating Business Information; Reporting Business Information; Delivering Business Presentations; Creating Cover Letters and Resumes.

COMM6227 - BUSINESS COMMUNICATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe functions of business communication ; Apply business communication in organization.

Topics: Becoming a Successful Business Communicator; Working with Others: Interpersonal, Intercultural, and Team Communication; Managing the Communication Process; Finding and Evaluating Business Information; Reporting Business Information; Delivering Business Presentations; Creating Cover Letters and Resumes.

COMM6382 - INTRODUCTION TO SOCIOLOGY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define the basic theories and concepts of sociology; Identify research problem in society which are related with communication field; Conduct sociological research by implementing the theories and concepts of sociology.

Topics: Understanding Sociology; Sociological Research; Culture; Socialization; Social Interaction and Social Structure; Groups and Organizations; The Mass Media; Deviance, Crime, and Social Control; Social Inequality; Social Institutions; Population, Communities, and Urbanization; Collective Behavior and Social Movements; Social Change in the Global Community.

COMM6383 – PHILOSOPHY AND ETHICS OF COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define the roots of communication science through various concepts, theories and aspects of philosophy; Identify the communication phenomenon in different facets of framework; Demonstrate the communication ethics based on the concepts, theories and aspects of communication philosophy.

Topics: The Regime of Communication; Transmission Model of Communication; Communication As Information Processing; Information and The Mathematical Theory of Communication; Communication, Memory, and Perception; A semiotic and A Phenomenological; A Hermeneutic Discourse of Communication; Ethics in Human Communication; Traditional Approaches to Ethical Theory; Contemporary Alternatives to Modernist Ethical Theories; Communication Ethics

and Community; Communication Ethics and Intercultural Communication; Communication Ethics and Digital Communication.

COMM6384 - INTRODUCTION TO POLITICS (2 Credits)

Learning Outcomes: This course provides an introduction to students to understand politics and political communication. After completing this course, students have the ability to explain politics and political communication; explains the actors involved in political communication, explaining the media and pressure groups as political actors; explaining about political communication in the new media era, social media. In addition, students have the ability to explain political marketing through advertising, public relation, campaigns and propaganda.

Topics: Introduction: Definition and Political Objectives; Political System in Indonesia; Electoral Behavior; Understanding and Concepts Political Communication; Political Actors Involved in Communication Politics; Media As Political Actors; Pressure Group as political actors; Propaganda; Political Communication in the New Media Era; Social Media and Political Communication; Marketing Politics; Campaign and Public Relation Politics; Political Advertising.

COMM6385 - INTERPERSONAL COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the components and concepts of interpersonal communication; Identify the interpersonal communication phenomena in daily life; Modify the application of the interpersonal communication concepts in personal and professional context; Demonstrate interpersonal communication ethics to build and maintain relationships in personal and professional life.

Topics: A First Look at Interpersonal Communication in Human Relations; Culture and Interpersonal Communication; Communication and Personal Identity; Perception and Communication; Verbal Messages in Interpersonal Communication; Nonverbal Messages in Interpersonal Communication; Mindful Listening; Emotions and Communication; Conversational Messages; Relationships Stages, Theories, and Communication; Interpersonal Relationship Types; Managing Conflict in Relationships; Interpersonal Power and Influence.

COMM6386 - WRITING FUNDAMENTALS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define the elements of fundamental writing; Identify writing process; Write using various writing styles.

Topics: Basic writing; Reading: finding suitable sources; Reading: Developing critical approaches; Avoiding plagiarism; From understanding essay titles to planning process; Finding key points and note-making; Summarising and paraphrasing; References and Quotations; Combining sources; Organising paragraphs; Elements of writing; Language issues; Writing models.

COMM6387 - SOCIAL DESIGN THINKING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Use critical thinking and problem solving in their academics and daily life; Practice design thinking process for social purposes; Plan innovative strategies to solve social problems.

Topics: Thinking and Reasoning; Critical thinking: the basics; Problem solving: Basic skills; Applied Critical Thinking; Advanced problem solving; Problem solving: Further techniques; Critical Reasoning: Advanced Level; Why design thinking?; Case studies I; Case studies II; Laying the foundation; Ideas into experiments; Building Organizational Experiments.

COMM6388 - CONTEMPORARY WRITING (2 Credits)

Learning Outcomes: This course will provide basic skills for students to write contemporary issues through various forms of writing to be published. After completing this course, students have the ability to; explaining creative and technical writing and writing stages and development; writing articles, features and profiles, book reviews, press releases and ad copy; besides the students also have the ability to edit the writing; have knowledge on how to publish the text and ethics and ITE laws.

Topics: Introduction: What is contemporary writing; Creative and technical writing; Stages in the Writing Process; Develop writing; Writing Articles for Media; Write Feature and Profile; Creating Book Review; Writing Press Release; Writing Advertising Copy; Making Short stories and poems; Editing the writing results; Publish articles in the media; Writing Ethics and ITE Law.

COMM6389 - PUBLIC SPEAKING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the elements and concepts of public speaking; Modify the implementation of public speaking elements and concepts based on its context; Demonstrate public speaking ethics which are appropriate with the context; Conduct the public speaking in various contexts.

Topics: The Art of Public Speaking; The Boundaries of Freedom of Speech; Listening and Critical Thinking Skills; Audience Analysis; The Framework of Speech: The Supporting Materials; Speech Outlines and Integration of Supporting Materials;

Beginning and Concluding Your Speech; Effective Language for Diverse Listeners; Strategies for The Final Delivery; Guidelines on Presentation Aids; The Informative Speech; The Persuasive Speech; Speaking with A Purpose.

COMM6390 - WORKPLACE ETHICS AND BEHAVIOR (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify professional contexts in the workplace; Choose appropriate professional attitudes to build and maintain relationship with various stakeholders; Act as professional communicator.

Topics: Business and professional excellence in the workplace; Verbal and nonverbal communication; Listening; Resumes, interviews, and negotiation; Getting to know your diverse workplace; Interpersonal communication at work; Strengthening teams and conducting meetings; Technology in the workplace; Business and professional writing; Leadership and conflict management; Informing and persuading; Work-life balance; Various case studies about workplace ethics and behaviour.

COMM6403 - REPORTAGE & INTERVIEW TECHNIQUE (2 Credits)

Learning Outcomes: This courses focusses on how to create good reportage and interview. The materiel also include the technique of reportage and news anchor both on radio, television and online. After completing this subject, students will be able to demonstrate the technique of interview, reportage and news anchor. Students are also expected to understand the different technique between radio, television and online media.

Topics: Introduction interview and reportage technique; Source of Interview; Interview style; Strategy interview; Understanding reportage; Scriptwriting for reportage; Reportage for radio and television; Reportage for online media; Understanding announcer or newscaster; Announcer for radio; Newscaster for television; Stand up and live report.

COMM6404 - SCRIPT WRITING FOR NEWS (2 Credits)

Learning Outcomes: This course will provide students with the ability to write news on various media platforms, namely television, radio and online media. Upon completion of this course students have the ability to make television news both hard news, soft news and documentaries; make good news news hard news, feature and documenter, create news for online media both hard news, feature and documentary. In addition, students can also explain the ethics of journalism in the multiplatform era.

Topics: Introduction; Why need news script?; Language journalism and news format; Characteristic script writing for news television; Writing hard news for news television; Writing feature and documenter for news television; Characteristic script wrting for news radio; Writing hard news for news radio; Writing feature and documenter for news radio; Carateristic script writing for online media; Writing hardnews for online media; Writing feuture and documenter for online media; Jourlnalism etic in multiplatform; Citizen Journalism.

COMM6405 - DIRECTING FOR JOURNALISM BROADCASTING (2/2 Credits)

Learning Outcomes: This course will give explanation to the students about the basics of directing in news program. After completing this course, students will have the ability to explain the purpose and importance of directing in news programs; describes the need for both equipment and man power in directing news programs; describes shot and element shot in directing, camara blocking, lighting, artistics, and directing languages; practicing directing either single cam or multicam in the news program.

Topics: Introduction. Explain the meaning and purpose of directing the news program; Equipment production news program; Man power in directing news program; Shot and Element Of Shot; Camera blocking; Lighting; Directing Language; Artistic in Directing News Program; Reporter/Camaramen is Directing; Directing Feature and Documenter; Directing Single Camrera in News Program; Directing Multicamera in News Program; Editing and Etics in News Program.

COMM6406 - THE PRINCIPLES OF CREATIVE PROGRAM (2 Credits)

Learning Outcomes: After completing this course, students can identify the characteristics of non-journalistic programs on television or on various other platforms. Students can also analyze concepts from entertainment programs, as well as compare between entertainment programs with programs from other genres.

Topics: Introduction to Creative Programs; The Need for Creative Programs in the Media Industry; Types of Creative Programs; Characteristics of a Creative Program; Production Creative Program; Creative Program Production Team; Creative Program Production Cost; Ethics and Broadcasting Regulations in the Creative Program; Scheduling Creative Program; Audience in Creative Program; Creative Program Sales; Creative Program and Media Convergence; Future of Program Creative in the Media Industry.

COMM6407 - SCRIPT WRITING FOR CREATIVE PROGRAM (2 Credits)

Learning Outcomes: After completing this course, students can identify the characteristics of the scripts for entertainment programs that exist on television or on various other platforms. Students can also analyze what should be in the script entertainment programs, and create examples of scripts in various genres of entertainment programs.

Topics: Introduction to Script Writing; Differences Script Writing in Journalism Program and Creative Program; Script Writing Position in Program Creative; Script Writer in Creative Program; Stages in Script Writing in Creative Program; Script Writing in Drama Program; Script Writing Exercise in Drama Program; Script Writing in Non-Drama Program; Script Writing Exercise in Non-Drama Program; Script writing on Other Platforms; Exercise Script writing on Other Platforms; Broadcasting Ethics and Its Relation to Script Writing; Script Writing in the Upcoming Creative Program.

COMM6408 - DIRECTING FOR CREATIVE BROADCASTING (2/2 Credits)

Learning Outcomes: After completing of this course, students can identify characteristics of directing for entertainment programs that exist on television or on various other platforms. Students can also analyze what should be a concern in the directing entertainment programs, as well as provide examples of good directing in various genres of entertainment programs that exist in the media today.

Topics: Introduction to Directing; Directing Differences in Journalistic Programs with Creative Programs; Position Director in Program Creative; Work Directing in Creative Program; Directing in Singlecam Production; Directing in Drama Program; Directing on the Reality Show Program; Directing in Multicam Production; Directing in Music and Entertainment Program; Directing in the Sports Program; Director and Producer in Creative Program; Broadcasting Ethics and its Relation to Directing; Directing in the Upcoming Creative Program.

COMM6409 - EDITING FOR MULTIMEDIA (2/2 Credits)

Learning Outcomes: This radio and television editing course provides the basic concept of editing in artistic and news program. After finishing this course, students will able to understand about editing. The student also able create short program with editing ability.

Topics: Introduction editing; Basic and Multi track audio editing; Sound effect and design for audio; Editing for radio program; Editing for television program; Basic editing video; Editing, mixing and sweetening audio; Color and lighting correction; Bumper and template; Special effect; Editing picture and Web production; Ethics in editing Radio, TV and Online media.

COMM6411 - MEDIA PROMOTION & MARKETING IN MULTIMEDIA (2 Credits)

Learning Outcomes: This course explain around promotion and marketing program in the digital broadcasting. After completing this subject, students will be able to explain the process of promotion and marketing in the digital broadcasting industry. Students are also expected to create the concept of marketing and promotion the broadcasting program to the advertiser and audience.

Topics: Introduction promotion and marketing; Important factor for marketing; Strategy for advertising; Contract and calculating for broadcasting advertising program; Time broadcasting for advertising; Management budget program; Selling against other media; Planning for promotion program; Producer in the creative program; Promotion method; Branding for mass media; Branding between marketing and promotion; Creating marketing and advertising proposal.

COMM6412 - NEWS PRODUCTION (2/2 Credits)

Learning Outcomes: This course will provide students with knowledge about News Production for radio, television and online media. Upon completion of this course, students are expected to have the ability to explain news programs in radio, television and online media; Describe the management of newsrooms in the production of news programs on radio, television and online media; Describes the various news formats for television, radio and online media; make rundown news, describes process news production both television, radio and online media both recording and live broadcast.

Topics: Introduction News Program in Television, Radio and Online Media; Man Power in News Production; Newsroom Management; Planing and Gathering News; News Value; Daily and Weekly News Format Radio and Television; News Format Online Media; Rundown News Program; News Producer and Journalism Ethics; Technology and System Newsroom; Show News Program: Taping Program; Show News Program: Live Program; Evaluation News Production Process.

COMM6413 - DRAMA & NON DRAMA PRODUCTION (2/2 Credits)

Learning Outcomes: After completing this course, students can identify the production characteristics of drama and non-drama programs as part of the entertainment program on television or on various other platforms. Students can also analyze what needs to be of concern in the production of drama and non-drama programs, and make good planning for the production of drama and non-drama programs.

Topics: Introduction to Entertainment Program Production; Type and Characteristics of Drama Program; Production of Drama Program; Pre-Production Stage Drama Program; Production Stage Drama Program; Post-Production Phase Drama Program; Type and Characteristics of Non-Drama Program; Non-Drama Program Production; Pre-Production Stage Non Drama Program; Non-Drama Production Program Stages; Post-Production Stages Non-Drama Program; Ethics of Broadcasting and Regulation of Drama and Non Drama Program; The Future of Drama and Non Drama Program.

COMM6414 - THESIS JOURNALISM BROADCASTING (6 Credits)

Learning Outcomes: At the end of this course student will be able to write and revise drafts to achieve clear and direct prose style, and employ standard editing practices for self- and peer-reviews. Design usable documents, including graphic elements, Produce a summarized version of thesis appropriate to field, audience and purpose, Communicate thesis research in an oral presentation.

Topics: Goals of course, submit proposal, document structure; Abstract and introduction, document structure 2; Literature and results, presentations, first thesis draft, thesis draft returned and discussed, revised draft, presentations, presentations, presentations.

COMM6415 - THESIS CREATIVE BROADCASTING (6 Credits)

Learning Outcomes: At the end of this course, the students will be able to conduct communication research by applying qualitative and quantitative approach respectively, conduct research applying mixed method. Make conclusion from data analysis result; describe the process of quantitative and qualitative research; apply data collection technique; develop research design; demonstrate sampling technique; prepare research proposal and report.

COMM6416 – JOURNALISM BROADCASTING IN INDUSTRIAL PRACTICES (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Demonstrate the theory broadcast in the intern program; Manage the jobs during intern program; Solve the problem when the student intern in the company; Report the intern and related it to the theory.

Topics: Station televisi or radio and target segmentation audience; Structure organization in broadcast media; Equipment in broadcast; Planning idea to the program; Pra production in media; Finding and reportage news; Writing script for broadcast media; Production for broadcast media; Post production in broadcast media; The pattern of broadcast in media; Strategy program; Research in media; Promotion program.

COMM6417 – JOURNALISM BROADCASTING PROGRAMMING IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define radio and tv programming and the requierments for programming; Explain plan, schedule, promotion and evaluation in program division; Explain plan, schedule, promotion and evaluation in program division; Explain types and behaviour audience in each of time television; Create concept from programming.

Topics: Definition Radio and TV Programming; How to become manager programming; Characteristic and format Radio and TV Program; The type and the time in the Radio and TV programming; Planning for program; Calculation and buy program; Strategy schedule program; The key success for programming Radio and TV; Segmentation audience; The behaviour of audience; Promotion program; Research Programming; Sales program.

COMM6418 - CREATIVE BROADCASTING IN INDUSTRIAL PRACTICES (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply Organizational Communication in Mass Communication Field; Execute the Equipment for Mass Communication Field; Identify the Role of Mass Communication Job Description.

Topics: Adapting in the New Places; Outline Submission; Observing; Data Collection and Analysis; Conclusion and Recommendation; Finalization.

COMM6419 - CREATIVE BROADCASTING PROGRAMMING IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Choose the right theory for scientific paper; Apply the right format for scientific paper; Apply the theory on scientific paper.

Topics: Understanding the Topics; Applying the Theory on Practice; Find the Problem; Reading the Books and Journals; Outline Submission; Data Collection and Analysis; Conclusion and Recommendation; Finalization; Paper Presentation and Assessment.

COMM6420 - CREATIVE BROADCASTING PRODUCTION IN INDUSTRY (2 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand the concept of digital media especially in industry field; Define the quality and content in digital media; Understands the digital revolution, online networks and web commerce; Manages the media distribution.

Topics: Digital revolution; Multimedia; Online networks; Web commerce; Media distribution; Quality and content; Digital media business.

COMM6421 – JOURNALISM BROADCASTING IN PROFESSIONAL PRACTICES (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate professional, ethical workplace behavior, Demonstrate proper workplace safety skills, Understand the basic structures and environment of a media organization from the inside, mastering the necessary equipment and skills to be a productive contributor, Will have enhanced interpersonal and teamwork skills as a result of experience, Will have improved networking skills and connections to industry.

Topics: Intern Agreement; Meeting w/ Instructor; Submit Copy of Current Resume to Instructor; Scheduled hours at internship; Final Evaluation to be completed by supervisor; Updated copy of resume, with new role added; All Journal entries submitted as one document in binder.

COMM6422 - DIGITAL CREATIVE IN PROFESSIONAL PRACTICES (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand with condition in workplace such as corporate in any industrial sectors, corporate in any service sectors, nonprofit organizations, and government. Students will gain more knowledge and experience Digital Journalism in Industry.

COMM6423 - CREATIVE MAGAZINE PRODUCTION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; Apply the related News Research teori to solve real news Research in Industry; Manage scare resources to get work done.

COMM6424 - MEDIA CAMPAIGN & MONITORING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Choose the right strategy for media campaign and monitoring activities; Plan media campaign and monitoring activities using multi-platform media; Execute media campaign.

Topics: Planning and Managing: The Context; Starting the planning process; Embedding research in the planning process; Analyzing environment; Setting aims and objectives; Knowing the publics and messages; Find the best strategy; Different campaign, Different tactics; Timescales and Resources; Evaluation and review; Case study 1; Case study 2; The future of PR Campaigns.

COMM6425 - EVENT MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Plan events related to public relations; Organize public relations' event; Evaluate the whole event plan and process.

Topics: Introduction to events; Event Planning; Destination and value selection; Developing the programme and content; Site planning and logistics; Building the event team; Audience and message; Social Media for event promotion; Budgeting; Purchasing and procurement; Evaluating for event; Impacts and legacies of events; Future-proofing your events.

COMM6426 - NARRATIVE DEVELOPMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Classify corporate values to build strong narratives; Analyze on how audiences can build engagement with the writing content; Develop strong narrative and corporate storytelling.

Topics: Branding through storytelling; The four elements of storytelling; Storytelling in business; The company core stories; Screening the basic data; Authentic raw material for storytelling; Storytelling as management tool; Storytelling in advertising; When storytelling becomes dialogue; The media as storytelling partner; Tearing down the walls; Write your narrative 1; Write your narrative 2.

COMM6427 - STRATEGIC PUBLIC RELATIONS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate understanding on the diverse aspects of public relations functions; Develop strategic communication plan to enhance corporate reputation using relevant channel.

Topics: Analyzing the situation; Analyzing the organization; Analyzing the publics; The preoccupation of public relations leader; The responsibilities of public relations leader; Establishing goals and Objectives; Formulating action and response

strategies; Developing the message strategy; Selecting communication tactics (channels); Implementing the strategic plan; Evaluation the strategic plan; Strategic public relations in practice.

COMM6428 - STRATEGIC BRAND MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Gain understanding on how brands deliver their values to target market; Illustrate branding strategy in the global sector; Develop strategic brand communication using multi-platform media.

Topics: Components of brand; Brand Management; How new media changing the game; A shift from media planning to communication planning; Focusing on outcomes, not outputs; Insight over analysis; Making Integration real; How media context helps advertising deliver more relevant communications; Touch point selection; Getting social; Bringing the brand media strategy to life; Measurement and metrics; Big data analytics.

COMM6429 - PUBLIC RELATIONS MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify public relations roles in the organizations; Develop public relations programs to enhance corporate reputations.

Topics: Reputation management; Ethics and Communication; Media Relations; Social Media; Internal communication; Managing Internal Communication; Government relations; Investor Relations; Community Relations; Corporate Responsibility; Communication and CSR; Public relations consulting; Challenges for today's PR Practitioner.

COMM6430 - DIGITAL PUBLIC RELATIONS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the appropriate digital communication strategy for public relations program; Organize the implementation of digital communication strategy for public relations program; Measure the implementation of digital communication strategy for public relations program.

Topics: Defining Digital; Three Digital Eras; Digital and Corporate Performances; Key Technologies; Internet of things; Artificial Intelligence; Digital Impact on employment; Setting your digital vision; Adding digital to products; Improving the customer journey; Digital self assessment; Social Media for Public relations; Case studies on digital Public relations.

COMM6431 - CRISIS AND REPUTATION MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Develop crisis management plan; Apply communication strategy to manage risk in various corporate contexts; Evaluate the implementation of crisis management plan.

Topics: Reputation: what it is and why it matters?; The challenging climate in which reputations are managed; Externally driven issue; Internally driven issue; External and internal incidents; Managing reputation risk through the life cycle; Predicting reputation risk; Preventing reputation risk; Preparing for accute reputation risk; Resolving risk to reputation; Responding to immediate reputation risk; Recovering from reputation damage; Where next for crisis, issues, and reputation management.

COMM6432 - COMMUNICATION & PUBLIC AFFAIRS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify public relations roles in public affairs; Practice public relations role in public affairs.

Topics: Public affairs in brief; Modern function of public affairs; Three characteristics of public affairs communication; The art of lobbying; Interest group strategies; Mediation and Negotiation; Proactive media relations; Advocacy advertising; Governmental strategies; Litigation communication; Stakeholders relations; Impact of CSR on public affairs; Propaganda and communication.

COMM6433 - WRITING FOR BRANDING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the audience and media to write for branding purposes; Develop public relations writing for branding purposes.

Topics: Effective writing; Persuasive and Ethical Communication; The Writing Process; News and Public relations; Fact Sheet and Advisory; Transmedia news package for print, broadcast, online, and social media; Newsletter and Magazine; Website, Blog and Wiki; Flier and Brochure; Online Appeals; Public Relations advertising; Financial Writing; Competitor Writing.

COMM6434 - INTEGRATED MARKETING COMMUNICATION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Relate the use of PR in IMC context; Use multi-platform media to conduct IMC campaign; Construct IMC campaign plan.

Topics: Basic reasons for the growth of IMC; IMC Planning; Branding and Positioning; Creative brief; The creative process; Copywriting; The IMC Campaign; The strategic use of PR in IMC; Newspaper and Magazines Advertising; Radio and Television Advertising; Direct marketing and sales promotion; Internet marketing and social media; Social Marketing.

COMM6435 - GLOBAL CONSUMER BEHAVIOR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the characteristics of decision making process, buying behavior and brand interaction of the target audience; Apply the concept of consumer behaviour to develop branding strategies.

Topics: Understanding Consumer Behaviour; The decision making process, buyer behaviour and brand interaction; Innovation and Digital Technologies; Consumption in B2C vs. B2B; Drive, motivation, and hedonism; The self and personality; Attitude formation and change; Sociological issues: Reference groups; Sociological issues: Age, gender, and familial roles; Sociological issues: Culture and class; Ethical consumption; Post-purchase behaviour; The dark side of consumer behaviour.

COMM6436 – THESIS CORPORATE COMMUNICATION (6 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: conduct communication research by applying qualitative and quantitative approach respectively, conduct research applying mixed method. Make conclusion from data analysis result; describe the process of quantitative and qualitative research; apply data collection technique; develop research design; demonstrate sampling technique; prepare research proposal and report.

Topics: Quantitative Research: determining problems, hypothesis, variable concepts, measurement tools, respondent, sampling, arranging data, data characteristics, validation testing, reliability coefficient, statistical hypothesis testing, attachment (tools, data and characteristics, validity, reliability, hypothesis testing, data analysis, conclusion and suggestion. (2) qualitative research: The background of problems, objective, methods in qualitative research, data analysis, writing report.

COMM6437 – THESIS BRAND COMMUNICATION (6 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Conduct research with qualitative and quantitative approaches, Apply knowledge and skills that have been learned in the research or design process and Compare the knowledge and skills in college with real condition in society.

Topics: Outline Submission; Methodology; Proposal Submission and Defence, Data Collection and Analysis (Chapter 3), Writing Chapter 4, Chapter 1-4 Submission, Writing Chapter 5, Chapter 1-5 Finalisation, Thesis Assessment and Approval.

COMM6440 – CORPORATE COMMUNICATION IN INDUSTRIAL PRACTICES (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct their own concepts of corporate public relations; Debate the determinant factors that influence company image; Design various patterns of corporate public relations programs; Recommend several corporate public relations activities in responding negative issues from media content.

Topics: Corporate Communication and the HR Professional; Communication Fundamentals; Developing an Integrated Corporate Communication Strategy; Communication Research, Measurement, and Evaluation; Communicating with External Audiences; Communicating with Employees; Issues Management and Crisis Communication; Developing and Implementing Communication Plans; Tools of the Trade; Selecting the Appropriate Tool; Handling Challenging HR Communications; Enhancing HR's Communication Competencies; New technology and the changing face of corporate communication.

COMM6441 – CORPORATE CAMPAIGN IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct their own concepts of reputation management; Debate the determinant factors that influence company reputation; Design various patterns of reputation management programs; Recommend several reputation management activities in responding negative issues from media content; Recommend several reputation management activities in responding negative issues from media content.

Topics: Reputation Management; Ethics and Communication; Media Relations; New Media; Employee Communication; Government Relations; Community Relations; Investor Relations; Global Corporate Communication; Integrated Communication; Issues Management; Crisis Communication; Corporate Responsibility.

COMM6442 – BRAND COMMUNICATION IN INDUSTRIAL PRACTICES (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze cases in Communication; Perform oral and Written Communication; Identify the Implementation of Communication; Integrate The use of ICT to solve; Design a business plan in Communication.

Topics: Learning Plan; Report Types of Internship; Paper; Role of Binus Student; Assessment.

COMM6443 – BRAND CAMPAIGN IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain strategic implications of branding; Construct brand diversity and brand management concept; Analyze branding strategy components; Compose brand campaign strategy.

Topics: Brand: Origins, Heritage and Importance; Strategic Implications of Branding; Brand Diversity: The types of brands; The new rules of brand management; Brand identity and positioning; Launching the brand; Sustaining a brand long term; Adapting to the market; Brand architecture; Brand transfers; Brand rejuvenation; Brand audit; Managing global brands.

COMM6444 – CORPORATE COMMUNICATION IN PROFESSIONAL PRACTICES (8 Credits)

Learning Outcomes: This course introduce the students with condition in workplace such as corporate in any industrial sectors, corporate in any service sectors, nonprofit organizations, and government. Students will gain more knowledge and experience in the organization's strategies in media campaign, in the organization's reputation management, corporate public relations ethics, and in communicating in a professional manner.

Topics: Students must write an Internship Final Report (a summary of overall monthly report). The Internship Final report must describe the following information: The position and role of the students; What the students think about the company; How the students think about the people they met or worked with; Whether the students found anything related to technical competencies and EES; How the students cope with the given tasks; Whether students activities are beneficial to the achievement of the learning objectives.

COMM6445 – BRAND COMMUNICATION IN PROFESSIONAL PRACTICES (8 Credits)

Learning Outcomes: By the end of this course, students will be able to: improve the writing skills of the ideal release to be published, analyze and evaluate the mistaken in public relations writings; to compose writing effectively in the variety of formats expected of pr professionals.

Topics: A variety of definitions; The challenge of Public Relations; Idea and concept of MPR; Strategic and planning MPR Program; Budgeting to MPR Program; MPR implementation; Persuasion in public opinion about product, service or corporate; Opinion leaders in MPR Practice; Managing competition and conflict in MPR in practice; Factors in persuasive communication; A growing professional Practice; Publication MPR Program; Evaluation from MPR Program.

COMM6448 – NEWS MAGAZINE PRODUCTION IN INDUSTRY (2 Credits)

Learning Outcomes: At the end of this course student will be able to develop ideas, researching subjects, finding and using the "best" sources, analyzing ideas and broadcast magazine stories.

Topics: Introduction to Radio & TV Program, Radio and Television News Programs, Air Magazine & Sequence, Brainstorming the Broadcast Writings and Productions Mechanics, Interview & Reportage Radio & TV, Features & Documentary, Features Programs Radio & TV Talk Show, Evaluating Discussions Program, News Magazine Planning and Execution.

COMM8006 - BUSINESS COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Illustrate building block for effective messages and creating goodwill in business communication; Give examples of how to create letters, memos, web writing and to polish them writing; Demonstrate some basic concepts and processes in interpersonal communication; Analyze business research, writing research reports, conduct a visual presentation of research results, and job hunting.

Topics: Building Blocks for Effective Messages; Creating Goodwill; Letters, Memos, Email, and Web Writing; Polishing Your Writing; Interpersonal Communication; Research, Reports, and Visuals; Job Hunting; Presentation.

COMM8082 – MEDIA CONVERGENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define and identify concepts, strategies and management of multi platform media in media convergence; Explain and describe the impacts of media convergence in the new media era; Analyze and describe programs in the media convergence era.

Topics: Introduction convergence media; Analogue and digital; Diffusion and innovation theory; The internet and the value chains of the media industry; Convergence media and audience; Interactivity in media convergence; Journalism in convergence era; Newsroom and convergence media; Management broadcasting in convergence era; Future convergence

media; Preproduction broadcasting convergence media; Production broadcasting convergence media; Postproduction broadcasting convergence media.

COMM8108 – PSYCHOLOGY OF COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic understanding on psychology of communication; Apply the logic of key concepts used in the scope of psychology of communication; Analyze various psychological communication issues in society.

Topics: Introduction; The Developmental Impact of Communicative Interaction; Social World and Dialogue; Non Verbal Communication; Social Influences; Pragmatic Theory and Social Relations; Communicative Action and Public Sphere; Representations, Identity and Resistance; Rumours and Gossip; Religion as Communication; The Social Psychology of Political Communication; Rhetoric and Argumentation; Communication and Social Cognition.

SUBJECT AREA: COMP

COMP5050 – INTRODUCTION TO PROGRAMMING (2/4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Describe the algorithm in problem solving; Explain the usefulness of java syntax; Demonstrate the algorithm using Java syntax; Choose the best sorting in problem solving; Summarize the object oriented concept.

Topics: Introduction to Algorithm and Java Programming; Data Type, Wrapper Class and Input/ Output; Arithmetic, Logic and Relational Operations; Selection Statement; Iteration Statement and Jump Operations; Single and Two-Dimensional Arrays; Methods and Exception Handling; Generic Types, ArrayList dan Vector; Sorting; Introduction to Object Oriented Programming Concept.

COMP5146 – BUSINESS APPLICATION DEVELOPMENT (2/4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain Object Oriented concept; Solve the algorithm problem using Object Oriented concept; Construct a simple application with Object Oriented concept; Explain the right GUI concept; Assess Object Oriented concept to GUI application.

Topics: Object Oriented Concept; Class and Object; Inheritance and Package; Polymorphism; Interface and Generic; Basic Graphical User Interface, Component, and Layout Managers; Creating User Interface; Event Driven Programming; Database Access and Database Operation I; Database Operation II.

COMP5164 - WEB BASED APPLICATION DEVELOPMENT (2/2 Credits)

Learning outcome: On successful completion of this Course, students will be able to: Explain website programming concepts; Choose appropriate programming language techniques to deal with the user requirements; Build website applications.

Topics: Website – Introduction; HTML – Basic; HTML – List, Tables, and Links; HTML – Colors, Images, and Multimedia; CSS; JavaScript – Introduction; JavaScript – Functions and Objects; JavaScript – Conditions, Loops, and Events; JavaScript – Form Validation and Dialog Box; JavaScript – Form Submission.

COMP6014 - INTRODUCTION TO DATA STRUCTURE (2 Credits)

Learning Outcomes: On successful completion of this subject the students should be able to: Explain the concept of data structure and its usage in application; Demonstrate how to create any learned data structure; Analyse the usage of data structure in application; Design a proper data structure needed in application.

Topics: Introduction to Data Structures and Algorithms; Array and Pointer; Data Structure; Linked List I; Linked List II; Stacks; Queues; Trees I: Binary Tree and Binary Search Tree; Trees II : Expression Trees; AVL Tree; 2-3 Tree; Heap; Graph.

COMP6043 – COMPUTER APPLICATIONS IN STRUCTURAL ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the types of computer software in structural engineering and its application; Design general steel and concrete structure using general finite element software; Design steel and concrete building structure using Computer Software for Building Structure Design; Design truss bridge using Computer Software for Civil Structure Design.

Topics: Computer Software in Structural Engineering; General Purposes Finite Element Software; Computer Software for Building Structure Design; Computer Software for Civil Structure Design.

COMP6044 - COMPUTER APPLICATIONS IN GEOTECHNICAL ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Use the types of computer software in geotechnical engineering and its usefulness range in accordance with the requirements; Explain the basic theories of Geotechnical software; Solve geotechnical problems using sophisticated software.

Topics: Introduction; Plaxis: Theory and learning examples; Other geotechnical software (Geo-Studio).

COMP6045 – ALGORITHM & PROGRAMMING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain about algorithm and its representation; Build algorithms in problem solving; Apply syntax of Fortran programming language in problem solving; Construct a program using Fortran programming language in problem solving; Design a program with function, subroutine and file processing using Fortran programming language in problem solving.

Topics: Algorithms and Programs; Basic Fortran; Input/Output; Control Structures I; Control Structures II; One Dimensional Arrays; Review I; Multidimensional Arrays; Function; Subroutine; File Processing I; File Processing II; Review II.

COMP6046 – COMPUTER APPLICATIONS IN CONSTRUCTION MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create a project and specify its resources need; Plan project duration; Solve project over-allocation and availability issue; Manage monitoring and tracking of the project; Report project summary and details.

Topics: Creating a new project; Setting up resources; Assign resource and calendar to a task; Lag and lead time; Project over-allocation; Project task; Project details; Rates and availability; Monitoring and tracking; Project report.

COMP6047 – ALGORITHM AND PROGRAMMING (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain kind of algorithms in problem solving; Apply Apply syntax and functions in C language in problem solving; Construct Construct a program using C language in problem solving; Design Design a program with file processing using C language in problem solving; Choose Choose the best sorting and searching algorithm in problem solving.

Topics: Algorithm & Programming and Introduction to C Programming (L); Formatted Input / Output (L); Operator, Operand, and Arithmetic (L); Algorithm & Programming (T); Introduction to C Programming I (T); Program Control: Selection (L); Introduction to C Programming II and Formatted Input / Output (T); Operator, Operand, and Arithmetic (T); Program Control: Repetition (L); Program Control: Selection (T); Program Control: Repetition (T); Pointers and Arrays (L); Pointers and Arrays 1(T); Pointers and Arrays 2(T); Material Review I.1 (T); Material Review I.2 (T); Material Review I (L); Quiz I (T); Quiz I Review (T); Function and Recursion (L); Structures and Union and Memory Allocation (L); Function and Recursion 1(T); Function and Recursion 2(T); Structures & Union (T); Memory Allocation (T); File Processing (L); File Processing 1(T); File Processing 2(T); Sorting and Searching (L); Sorting (T); Searching (T); Material Review II.1 (L); Material Review II.1 (T); Material Review II.2 (T); Material ReviewII.2 (L); Quiz II; Quiz II Review.

COMP6048 – DATA STRUCTURES (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of data structure and its usage in application; Apply data structure in application; Illustrate the usage of data structure in application.

Topics: Pointer, Array and Introduction to Data Structure (L); Introduction to Linked List (L); Linked List Implementation I (L); Pointer & Array (T); Introduction to Data Structure (T); Linked List Implementation II (L); Linked List I (T); Linked List II (T); Introduction to Tree, Binary Tree and Expression Tree (L); Stack and Implementation (T); Queue and Implementation (T); Tree and Binary Tree (T); Introduction to Binary Search Tree and Threaded Binary Tree (T); Binary Search Tree (L); Material Review 1 (T); Material Review I (L); Quiz I (T); Quiz I Review (T); B Tree (T); Balanced Binary Search Tree (L); 2-3 Tree and B Tree (L); AVL Tree (T); 2-3 Tree (T); Heap, Tries & Hashing (L); Red Black Tree (T); Graph (L); Heap (T); Tries & Hashing (T); Review 2.1 (L); Graph (T); Material Review 2 (T); Quiz 2 (T); Quiz 2 Review (T).

COMP6049 – ALGORITHM DESIGN AND ANALYSIS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain fundamental concept of analysis algorithms; Apply algorithm techniques and methods; Solve a problem using specific algorithm; Compare several algorithm design methods.

Topics: Review II; Introduction of design and analysis of algorithms; Mathematical induction and recursive function; Algorithms and complexity functions; Complexity of algorithms analysis; Stack and queue; Tree and binary tree; Priority queue and heap; Graph; Divide and conquer; Greedy methods; Dynamic Programming: Fibonacci Sequence Problem; Dynamic Programming: Coin Change Problem; Dynamic Programming: Multistage Graph; Dynamic Programming: Travelling Salesman; Dynamic Programming: Knapsack Problem; String Matching; Huffman Code; Graph Colouring; Basic Search and Traversal; Backtracking; Branch and Bound; Strongly Connected Components; Review I.

COMP6051 - WEB PROGRAMMING (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain concept of web programming; Choose a proper web programming technic to build web based application; Build a web based application that complies with the requirements

Topics: Introduction to Web Programming with Java; HTML - Web Design Fundamental; HTML – Forms; JavaScript – Fundamental; JavaScript - Web Application; JSP – Fundamental; JSP - Web Application; Sessions and Cookies; JSP and JavaBeans; JSP Standard Tag Library; JDBC; Internet and SSL; Project - Web Application.

COMP6056 – PROGRAM DESIGN METHODS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain program design method; Apply the process of program developing; Design the application using program design method; Demonstrate the use of program design method; Explain the object oriented design; Design the application using the object oriented design.

Topics: Program Design, Pseudocode, and Developing an Algorithm (L); Selection and Repetition Control Structure, Pseudocode Algorithms Using Sequence, Selection and Repetition (L); Program Design and Pseudocode (T); Array Processing and First Steps in Modularisation (L); Developing an Algorithm (T); General Algorithms for Common Business Problems (L); Selection Control Structures, Repetition Control Structures, and Pseudocode Algorithms Using Sequence, Selection and Repetition (T); Array Processing and First Steps in Modularisation (T); Communication Between Modules, Cohesion, and Coupling (L); General Algorithms for Common Business Problems (T); Review Simple Structured Program Design (L); Communication Between Modules, Cohesion, and Coupling and Quiz (T); Introduction to Object Oriented and Use Case (L); Introduction to Object Oriented (T); Activity Diagram (L); Class Relationship and Class Diagram (L); Use Case Diagram (T); Identifying Functionality : CRC Cards and State Diagrams (L); Class Diagram and State Diagram (L); Use Case and Activity Diagram (T); Interaction Diagram (L); Identifying Functionality : CRC Cards and State Diagrams (T); Implementation Diagram (L); Class Diagram, State Diagram and Interaction Diagram (T); Review of Object Oriented Development (L); Implementation Diagram and Quiz (T).

COMP6057 – SOFTWARE ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concepts of software process models; Explain the software engineering practices; Demonstrate the software quality assurances; Analyze the software project management.

Topics: The Nature of Software and Software Engineering; Software Process and Process Models; Agile Development; Human Aspects of Software Engineering; Principles That Guide Practice; Understanding Requirements; Requirements Modeling : Scenario and Class Based Methods; Requirements Modeling : Behavior, Patterns, and Web/MobApps; Design Concepts; Architectural and Component-Level Design; User Interface and Pattern-Based Design; WebApp and MobileApp Design; Quality Concepts and Review Techniques; Software Quality Assurance and Testing Strategies; Testing Conventional and Object-Oriented Applications; Testing WebApps and MobileApps; Security Engineering; Formal Modeling and Verification; Software Configuration Management; Product Metrics; Project Management Concepts; Process and Project Metrics; Estimation for Software Projects; Project Scheduling; Risk Management; Maintenance and Reengineering.

COMP6060 – PROGRAMMING LANGUAGE CONCEPTS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain concept of imperative programming; Explain different types of programming languages; Explain concept of functional and logic programming characteristics.

Topics: Introduction; Describing Syntaxs and Semantics; Names, Bindings, and Scopes; Data Types; Expression and Assignment Statements; Control Structures Statements; Subprograms; Abstract Data Type; Object-Oriented Programming; Concurrency; Exception Handling and Event Handling; Functional Programming Languages; Logic Programming Languages.

COMP6062 – COMPILATION TECHNIQUES (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the basic concepts of compilation techniques that include the functions, stages of compilation, the components of the compilation and compiler tool-making , the theory of automata and grammar in a formal language; Apply the theory of automata, formal language, and the grammar, the concept of compilation techniques to translate a programming language input strings; Construct simple compiler types of compiler in the market.

Topics: Introduction to compiler; Introduction Automata: The Methods and The Madness; Regular Expression; Lexical Analysis; DFA, NFA (Lexical Analysis); Epsilon-NFA, RE conversion (Lexical Analysis); DFA Minimize (Lexical Analysis); Context Free Language (Syntax Analysis); Syntax Analysis; Non-Deterministic Push Down Automata and Push

Down Automata; Top-Down Parsing; Bottom-up parsing; Syntax Directed Translation; Semantic Analyzer; Run Time Environments; Intermediate code Generator; Code Optimization; Code Generation.

COMP6064 – GEOGRAPHICAL INFORMATION SYSTEM (2/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain concept, component and the advantages of geographical information system (GIS); Demonstrate model of spatial analysis using GIS software; Design GIS application; Apply project management in the GIS development; Describe direction of GIS development in the future.

Topics: Fundamentals of GIS; Spatial Data; Spatial Data Modelling; Spatial Analysis; Spatial Analysis Using GIS Software; Analytical Modeling in GIS; OpenGIS and DistributedGIS; MobileGIS; Issues in GIS: Data Quality ,Human and Organizational Issues; Object Modeling and Geodatabases; Geodatabase Design; GIS Project Design and Management; The Future of GIS.

COMP6065 – ARTIFICIAL INTELLIGENCE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe what is AI and identify the concept of intelligent agent; Explain various intelligent search algorithms to solve problems; Explain how to use knowledge representation in reasoning purpose; Demonstrate how to achieve a goal through a sequence of actions called planning; Apply various techniques to an agent when acting under certainty; Apply how to process natural language and other perceptual signs in order that an agent can interact intelligently with the world.

Topics: Introduction to Artificial Intelligence; Uninformed Search Strategies; Informed Search Strategies; Local Search Algorithm & Optimization Problems; Adversarial Search; Constraint Satisfaction Problems; Logical Agents; First Order Logic (FOL) & Inference in FOL I; First Order Logic (FOL) & Inference in FOL II; Classical Planning; Planning and Acting in the Real World; Knowledge Representation; Quantifying Uncertainty; Probabilistic Reasoning; Probabilistic Reasoning over Time; Making Simple Decisions; Making Complex Decisions; Learning from Examples I; Learning from Examples II; Knowledge in Learning; Learning Probabilistic Models; Reinforcement Learning; Natural Language Processing; Natural Language for Communication; Perception; Robotics.

COMP6079 – ARTIFICIAL INTELLIGENCE (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe what is AI and identify concept of intelligent agent; Explain how to use knowledge representation in reasoning purpose; Demonstrate the AI learning process; Apply how to process other perceptual signs in order that an agent can interact intelligently with the world.

Topics: Introduction to Artificial Intelligence; Logical Agents; First Order Logic (FOL) & Inference in FOL I; First Order Logic (FOL) & Inference in FOL II; Knowledge Representation; Quantifying Uncertainty; Representation Knowledge in an Uncertain Domain; Learning from Examples; Knowledge in Learning; Introduction to Neural Network; Neural Network Architecture; Introduction to Computer Vision; Perception.

COMP6083 – OPERATING SYSTEMS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the basic elements of a computer system and their interrelationship; Explain the concept and design of each of the components of the Operating System; Relate the fundamental design to the current development of Operating System; Apply different design strategy to measure the performance of the Operating System.

Topics: Computer Systems Overview; Operating Systems Overview; Process and Threads; Concurrency; Deadlock and Starvation; Memory Management; Virtual Memory; Process Scheduling; Input/Output Management; Disk Management; Computer Security; File Management; Embedded System.

COMP6088 – INTRODUCTION TO INFORMATION TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe The fundamental and term associated with computer and mobile devices, internet and apps as well as its role in enhancing the business process; Explain The uses of apps, devices as well as technology that supports the Information and Computer Technology development; Describe The impact of technology.

Topics: The Internet, Websites and Media; Computers and Mobile Devices; Program and Applications; Digital Security; Computing Components; Input; Output; Digital Storage; Operating Systems; Communicating Digital Content; Database and System Development; Application Development Tools; Working in Enterprise

COMP6099 – ADVANCED OBJECT ORIENTED PROGRAMMING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Apply concept of object oriented programming on Java Technology; Demonstrate database programming application on Java Technology; Demonstrate graphical user interface programming on Java Technology.

Topics: Introduction to Java Programming language; Methods, Array and Exception Handling; Java Collection; Object and Classes; Inheritance and Polymorphism; Abstract Classes and Interface; Introduction to Java GUI; Event Driven Programming; Java GUI Component Manipulation; Menu, Toolbar, and Dialog Component; Container and Layout Manager Component; Introduction to Database; Java Database Programming.

COMP6100 – SOFTWARE ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concepts of software process models and the opportunity for potential business project; Explain the software engineering practices and business environment; Demonstrate the quality assurances and the potential showcase business project; Analyze the software project management and the proposed potential business project.

Topics: The Nature of Software and Software Engineering (L); The Software Process (L); An Introduction to Software Engineering (T); Requirement Engineering and Modeling (L); Customer Insight and Market Analysis (T); Design Concepts and Engineering (L); Understanding Requirements (T); Requirements Modeling (T); Business Model Environment (L); Design Process (T); Quality Concepts and Review Techniques (L); Design Engineering and Quiz (T); Software Quality Assurance and Software Testing Strategies (L); New Product / Service Development (T); Testing Applications and Security Engineering (L); Prototyping Products or Services (L); Software Quality Assurance and Software Testing Strategies (T); Formal Modeling and Software Configuration Management (L); Project Management Concepts, Product and Project Metrics (L); Software Testing and Software Configuration Management (T); Estimation for Software Projects and Project Scheduling (L); Software Project Management and Software Metrics (T); Risk Management, Maintenance and Reengineering (L); Estimation and Software Projects Scheduling (T); Evaluating Product/ Services Prototype (L); Evaluating Product/ Services Prototype (T).

COMP6106 – CODE REENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate Basic refactoring and its application; Apply Advanced refactoring and its application; Formulate suitable refactoring for code environment.

Topics: Introduction to Refactoring; Bad Code Smell: The Bloater; Bad Code Smell: The Object Orientation Abuser; The Change Preventer; The Dispensable; The Couplers; Object Oriented Design Smell; Abstraction Smell; Encapsulation Smell; Modularization Smell; Hierarchy Smell; The Smell Ecosystem; Repaying Technical Debt in practice.

COMP6107 – AGILE SOFTWARE DEVELOPMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Agile Principles in Scrum ways; Create a holistic Scrum Planning; Use Scrum Tools on a software development.

Topics: Introduction to Agile Approach; Agile Principles; Sprint, Requirement and User Stories; Product Backlog; Estimation and Velocity; Technical Debt; Scrum Roles; Planning; Sprint Planning; Sprint Executions; Sprint Review; Sprint Retrospective; Scrum Path Forward.

COMP6114 - PATTERN SOFTWARE DESIGN (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the problem to be solved; Explain the business problem domain; Construct solution for business problem domain; Formulate knowledge solution according to the business problem domain; Breakdown large domains into smaller subdomains.

Topics: Applying the Principles, Practices, and Patterns of DDD; Introduction to Bounded Context Integration; Integrating via Messaging; Integrating via HTTP with RPC and REST; Introducing the Domain Modeling Building Blocks; Value Objects; Entities; Domain Services; Domain Events; Aggregates; Factories; Repositories; Event Sourcing.

COMP6115 – OBJECT ORIENTED ANALYSIS & DESIGN (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Conceive the basics concepts of object oriented software engineering; Use the knowledge to develop documentation for object oriented software engineering using Unified Modelling Language; Analyze any problem in any software application and find out the alternative solutions using object oriented software engineering approach; Manage the software process and build software engineering teams based on object oriented software engineering approach.

Topics: Software and Software Engineering; Review on Object Orientation; Developing Requirements; Object Oriented Analysis; Modelling with Classes; Reusable Design Patterns; Users and their tasks with User Interface; Modelling interactions sequence; Architecting and Designing Software; Testing to Ensure High Quality of Software; Inspecting to Ensure High Quality of Software Product; Managing the Software Process; Building Software Engineering Teams.

COMP6122 - FRAMEWORK LAYER ARCHITECTURE (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe use of design pattern in web technology; Design object oriented in design pattern; Apply design pattern in web technology.

Topics: Principles of Object Oriented Design; PHP and Java Web Technology Introduction; Basic Design Pattern Concept; Using UML with Design Patterns; Creational Design Patterns: Factory Method Design Pattern; Creational Design Patterns: Prototype Design Pattern; Structural Design Pattern: Adapter Pattern; Structural Design Pattern: Decorator Pattern; Behavioral Design Patterns: Template Method Pattern; Behavioral Design Patterns: The State Design Pattern; Proxy Pattern for Connector Database; Flexibility of Strategy Design Pattern; The Chain of Responsibility Design Pattern.

COMP6140 – DATA MINING (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain concept of data and data preprocessing; Explain concept of data warehouse and online analytical processing; Apply various basic and advanced data mining techniques; Apply data mining trends and research.

Topics: Introduction; Getting to know your data; Data preprocessing; Data warehousing and online analytical preprocessing; Data cube technology; Mining frequent patterns, associations, and correlations I; Mining frequent patterns, associations, and correlations II; Cluster analysis I; Cluster analysis II; Classification I; Classification II; Outlier analysis; Data mining trends and research frontiers.

COMP6144 - WEB PROGRAMMING (2/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Propose the business plan and evaluate the business model; Explain concept of web programming; Choose a proper web programming technic to build web based application; Build a web based application that complies with the requirements.

Topics: Introduction to Web Programming (Laravel Framework with PHP, Html) and Dynamic Web Content; Customer Profile; Using Composer Packages and Routing; Building Views and Adding Style; The Next 10 Customer; Paging and Searching; Quantifying Value Proposition; Authentication, Validation and Security; Testing and Debugging Application; Design Business Model; Adding Advanced Features to Application; Review Material.

COMP6153 – OPERATING SYSTEM (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe each of the components of the Operating Systems and their interrelationship; Demonstrate different techniques of the design of the Operating System; Relate the fundamental design to the current development of Operating System; Demonstrate the skills in programming to write user programs to interact with the operating system.

Topics: Operating System Overview; Process; Multiprocessor and Embedded system; Threads; Scheduling; Concurrency; Deadlock; File Management; I/O Management; Memory Management; Virtual Memory; Security; Study Case.

COMP6154 - ALGORITHM AND PROGRAMMING FUNDAMENTALS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain kind of algorithms in problem solving; Apply syntax and functions in C language in problem solving; Construct a program using C language in problem solving; Design a program with file processing using C language in problem solving; Choose the best sorting and searching algorithm in problem solving; Explain basic data structures and object-oriented concepts.

Topics: Algorithm & Programming; Introduction to C Programming I; Introduction to C Programming II and Formatted Input / Output; Operator, Operand, and Arithmetic; Program Control: Selection; Program Control: Repetition; Pointers and Arrays; Characters and Strings; Function and Recursion; Material Review I; Structures & Union; Memory Allocation; File Processing; Sorting; Searching; Basic Data Structures; Introduction to Object-Oriented Programming; Material Review II.

COMP6165 - JAPANESE COMPUTER (NIHON NO KOMPYUTA) (2 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Operate Japanese Computer Operating System Interface; Identify Term use in Japanese Computer Operating System Interface; Use Japanese Computer Operating System and Application to solve task.

Topics: Introduction to Japanese OS; Japanese Microsoft Word Part 1; Japanese Microsoft Word Part 2; Japanese Microsoft Word Part 3; Japanese Microsoft Excel Part 1; Japanese Microsoft Excel Part 2; Japanese Microsoft Excel Part 3; Japanese Microsoft Power Point Part 1; Japanese Microsoft Power Point Part 2; Japanese Microsoft Power Point Part 3; Japanese Microsoft Publisher Part 1; Japanese Microsoft Publisher Part 2; Blog.

COMP6175 – OBJECT ORIENTED PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Differentiate between conventional programming and OOP; Describe the main features of OOP; Describe the additional features of OOP; Construct a program using additional features of OOP.

Topics: Introduction; C++; Constructor and Destructor; I/O Stream; Data and Function Specifiers; Reference, Pointer and Passing Parameters; Overloading Operators; Inheritance & Composition; String Class; Generic Programming; Polymorphism; Review.

COMP6176 – HUMAN AND COMPUTER INTERACTION (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concept of interaction design; Use guidelines, principles, models, and framework related with interaction design; Choose the data gathering technique from user to develop successful interaction design; Design the user requirements with interaction styles; Evaluate the user interfaces of interactive software.

Topics: Interaction Design; Understanding and Conceptualizing Interaction; Cognitive Aspects; Social Interaction; Emotional Interaction; Interfaces; Review I; Establishing Requirements; Data Analysis, Interpretation, and Presentation; Design, Prototyping and Construction; Basic Evaluation; Advanced Evaluation; Review II.

COMP6177 - COMPUTER LABORATORY IN COMMUNICATION CONTEXT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create documents with ms word; Create presentation with ms Powerpoint; Organize a large volume of data across multiple worksheets or pages of information in the file; Analyze a name to a section of data on a worksheet to use the name in a formula; Apply formula and number format.

Topics: Making a Document & Formatting, Styles & page setup; Tables and Graphics; Mail Merge & Document Security; A First Look at PowerPoint 2007, Creating a Presentation, Slides, and Text; Working with Layouts, Themes, Masters, tables and charts; Using SmartArt Diagrams, Clip Art, and Pictures; Building Animation Effects, Transitions, Support Materials & Delivering a Live Presentation; Getting Started with Excel 1; Getting Started with Excel 2; Introducing Formulas and Functions; Working With Formulas and Functions; Creating Formulas that Look Up Values.

COMP6178 - INTRODUCTION TO PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the kind of the algorithms in problem solving; Explain the usefulness of java syntax; Demonstrate the algorithm using Java syntax; Choose the best sorting in problem solving; Explain the object oriented concept.

Topics: Introduction to Algorithm; Introduction to Java Programming; Data Type and Input / Output; Basic Class; Arithmetic Operation; Logic and Relational Operation; Selection; Iteration Statement; Jump operations and exception Handling; Static and Dynamic Array; Methods; Sorting; Introduction to OOP Concept.

COMP6180 – COMPUTER SECURITY FOUNDATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the installation and the role and the task of System Administrator; Identify and resolve problems in Linux Administration; Describe basic concepts of computer security; Write shell scripts for system administration; Apply servers technology into virtual private server.

Topics: Introduction to LINUX Server; Web Server; Domain Name System; Mail Server; Load Balancing; Virtualization; Denial of Service Attacks and Intrusion Detection; Basic Shell Script; Introduction to Malicious Software; User Access Control; Regular Expression; Review.

COMP6192 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Get experiences in solving the problems of cyber security by using the correct scientific methodology and produce a scientific methodology and procedure a scientific writing based on those experience.

Topics: Field of Cyber Security.

COMP6201 - DESKTOP PUBLISHING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Choose suitable application to deal with desktop publishing elements; Use desktop publishing softwares and create simple design (brochure, poster, & newsletters); Identify the anatomy of layout and typography.

Topics: Introducing the basic concepts of Desktop Publishing; Adobe Photoshop: basic tools; Adobe Photoshop: panels; Adobe Photoshop: workspace; Adobe Photoshop: colors; Adobe Photoshop: layers; Adobe Photoshop: selections; Adobe Photoshop: masking; Adobe Photoshop: typographic; Adobe Photoshop: brushes; Adobe in Design: Basic; Adobe in Design: text; Adobe in Design: image and graphic.

COMP6225 - OBJECT-ORIENTED DATABASE (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain object-oriented conceptual modeling techniques with a specific focus on conceptual modeling of object database designs; Define the fundamental

concept of object databases; Design object-oriented conceptual modeling techniques using enhanced entity relationship diagrams and Unified Modeling Language; Apply an object-oriented and object relational databases with a case studies; Compare commercial and open source OODBMS

Topics: Introduction to Object Databases; Object-Oriented Databases: The OM Data Model; Object-Oriented Databases-1; Object-Oriented Databases-2; Case Study in Object-Oriented Databases; Introduction to Object-Relational Databases; Object-Relational Databases; Object-Relational Databases Mapping; Mapping Object-Oriented Conceptual Models to the Relational Data Model; Object-Oriented Databases Design and Implementation: OMS Avon; Object-Oriented Management Systems For Relational Databases (RxO DBMS); Commercial OODBMS: Versant; Open Sources OODBMS: EyeDB; Introduction to C#; Graphical User Interface I; Graphical User Interface II; String, Array, Method; Object Oriented Programming; LINQ : Object Oriented Database Design; LINQ : Object Relational design using SQL; LINQ : Advance Object Query Language and basic form validation; Introduction to eyeDB I; Introduction to eyeDB II; Project Collection; Final Exam.

COMP6226 - COMPETITIVE PROGRAMMING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply algorithm techniques and methods; Calculate processing time and memory space of algorithms; Create good and correct algorithm for problem solving.

Topics: Introduction to Competitive Programming; Data Structures; Graph I; Mathematics I; String Processing; Dynamic Programming; Review I; Standard Template Library (STL); Graph II; Mathematics II; Greedy Algorithm; Computational Geometry; Review II.

COMP6227 – ARTIFICIAL INTELLIGENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe what is AI and identify concept of intelligent agent; Explain various intelligent search algorithms to solve the problems; Explain how to use knowledge representation in reasoning purpose; Demonstrate how to achieve a goal through a sequence of actions called planning; Apply various techniques to an agent when acting under certainty; Apply how to process natural language and other perceptual signs in order that an agent can interact intelligently with the world.

Topics: Introduction of Artificial Intelligence; Uninformed Search Strategies; Informed Search Strategies; Local Search Algorithm & Optimization Problem; Adversarial Search; Constraint Satisfaction Problems; Logical Agent; First Order Logic & Inference in FOL I; First Order Logic & Inference in FOL II; Classical Planning; Planning and Acting in the Real World; Knowledge Representation; Quantifying Uncertainty; Probabilistic Reasoning; Probabilistic Reasoning over time; Making Simple Decisions; Making Complex Decisions; Learning from Examples I; Learning from Examples II; Knowledge in Learning; Learning Probabilistic Models; Reinforcement Learning; Natural Language Processing; Natural Language for Communication; Perception; Robotics.

COMP6228 – ARTIFICIAL INTELLIGENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe How Artificial Intelligence Works in Games; Design AI-based game; Explain the concepts of AI Techniques in Game; Construct AI-Based Game.

Topics: Introduction to AI for Games; Game AI; Introduction to Game Movement; Advanced Game Movement; Pathfinding: Dijkstra & A*; Pathfinding: Hierarchical & Continuous Time Pathfinding; Decision Making: Decision Tree & State Machines; Decision Making: Behavior Tree; Decision Making: Fuzzy Logic & Markov Systems; Decision Making: Goal-Oriented Behavior; Decision Making: Rule-Based System; Scripting; Algorithm Implementation in Game I; Algorithm Implementation in Game II; Tactical and Strategic AI; Board Games; Designing Board Games Using AI; Introduction of Designing Game AI; Extension of Designing Game AI; AI-Based Game Genres; Learning Parameter Modification & Action Prediction; Decision Learning I; Decision Learning II; Review & Project Presentation.

COMP6229 – SOFTWARE ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concepts of software process models and the opportunity for potential business project; Explain the software engineering practices and business environment; Demonstrate the quality assurances and the potential showcase business project; Analyze the software project management and the proposed potential business project.

Topics: The Nature of Software and Software Engineering; Software Process and Process Models; Customer Insight and Market Analysis; Agile Development and Human Aspects of Software Engineering; Business Model Environment; Understanding Requirements; Requirements Modeling : Scenario and Class Based Methods; Requirements Modeling: Behavior, Patterns, and Web / MobApps; Design Process; Design Concepts and Architectural Design; Component-Level , User Interface and Pattern Based Design; WebApp and MobileApp Design; New Product / Service Development; Quality Concepts and Review Techniques; Software Quality Assurance and Software Testing Strategies; Testing Conventional and Object-Oriented Applications; Testing WebApps and MobileApps; Security Engineering; Prototyping Products or Services;

Formal Modeling and Software Configuration Management; Product Metrics; Project Management Concepts; Process and Project Metrics; Estimation for Software Projects and Project Scheduling; Risk Management, Maintenance and Reengineering; Evaluating Product/ Services Prototype.

COMP6230 – SOFTWARE ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concepts of software process model and the opportunity for potential business project; Explain the software engineering practices and business environment; Demonstrate the quality assurances and the potential showcase business project; Analyze the software project management and the proposed potential business project.

Topics: The Nature of Software and Software Engineering; Software Process and Process Models; Customer Insight and Market Analysis; Agile Development and Human Aspects of Software Engineering; Business Model Environment; Understanding Requirements; Requirements Modeling : Scenario and Class Based Methods; Requirements Modeling: Behavior, Patterns, and Web / MobApps; Design Process; Design Concepts and Architectural Design; Component-Level , User Interface and Pattern Based Design; WebApp and MobileApp Design; New Product / Service Development; Quality Concepts and Review Techniques; Software Quality Assurance and Software Testing Strategies; Testing Conventional and Object-Oriented Applications; Testing WebApps and MobileApps; Security Engineering; Prototyping Products or Services; Formal Modeling and Software Configuration Management; Product Metrics; Project Management Concepts; Process and Project Metrics; Estimation for Software Projects and Project Scheduling; Risk Management, Maintenance and Reengineering; Evaluating Product/ Services Prototype.

COMP6231 – HUMAN AND COMPUTER INTERACTION (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the concept of interaction design; Use guidelines, principles, models, and framework related with interaction design; Choose the data gathering technique from user to develop successful interaction design; Design the user requirements of mobile user interface; Evaluate the use interfaces of mobile application.

Topics: Interaction Design; Understanding and Conceptualizing Interaction; Cognitive Aspects; Social Interaction & Interfaces; Emotional Interaction; Mobile Interface Design; Review I; Establishing Requirements; Data Analysis, Interpretation, and Presentation; Design, Prototyping and Construction; Evaluation; Mobile Evaluation; Review II.

COMP6232 – HUMAN AND COMPUTER INTERACTION (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the concept of interaction design; Use guidelines, principles, models, and framework related with interaction design; Choose the data gathering technique from user to develop successful interaction in game design; Design the user requirements with interaction styles; Evaluate the user interfaces of game application.

Topics: Interaction Design; Understanding and Conceptualizing Interaction; Cognitive Aspects; Social Interaction; Emotional Interaction; Interfaces; Review I; Establishing Requirements; Data Analysis, Interpretation, and Presentation; Design , Prototyping and Construction; Basic Evaluation; Advanced Evaluation; Review II.

COMP6268 – ALGORITHM & PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain algorithms in problem solving; Design algorithm in pseudocode and flowchart; Construct a program using C programming language.

Topics: Introduction to Algorithm and Development of Computer Program; Programming in C; Developing an Algorithm; Program Control: Selection; Program Control: Repetition; Solution Algorithm for Complex Problem I; Review Material I; Array Processing; Module; String Manipulation; Solution Algorithm for Complex Problem II; Sorting Algorithm; Review Material II.

COMP6271 – SOFTWARE ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concepts of software process models and the opportunity for potential business project; Explain the software engineering practices and business environment; Demonstrate the quality assurances and the potential showcase business project; Analyze the software project management and the proposed potential business project.

Topics: The Nature of Software and Software Engineering; Software Process and Process Models; Customer Insight and Market Analysis; Agile Development and Human Aspects of Software Engineering; Business Model Environment; Understanding Requirements; Requirements Modeling : Scenario and Class Based Methods; Requirements Modeling: Behavior, Patterns, and Web // MobApps; Design Process; Design Concepts and Architectural Design; Component-Level , User Interface and Pattern Based Design; WebApp and MobileApp Design; New Product / Service Development; Quality Concepts and Review Techniques; Software Quality Assurance and Software Testing Strategies; Testing Conventional and Object-Oriented Applications; Testing WebApps and MobileApps; Security Engineering; Prototyping Products or Services;

Formal Modeling and Software Configuration Management; Product Metrics; Project Management Concepts; Process and Project Metrics; Estimation for Software Projects and Project Scheduling; Risk Management, Maintenance and Reengineering; Evaluating Product/ Services Prototype.

COMP6272 – DATA STRUCTURE (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the concept of data structure and its usage in application; Demonstrate how to create any learned data structure; Analyze the usage of data structure in application; Design a proper data structure needed in application.

Topics: Introduction to Data Structures and Algorithms; Array and Pointer; Data Structure; Linked List I; Linked List II; Stacks; Queues; Trees I: Binary Tree and Binary Search Tree; Trees II : Expression Trees; AVL Tree; 2-3 Tree; Heap; Graph.

COMP6426 – INDUSTRIAL EXPERIENCE IN INFORMATION TECHNOLOGY (8 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to apply the theory given in the class, so they will be more ready to apply the theory for job. They will be able to acquire highly marketable knowledge, specific skills and experience to innovative and creative software development.

Topics: Field of Information Technology workplace.

COMP6427 – INFORMATION TECHNOLOGY PRACTICE IN INDUSTRIAL EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students obtain working experience in the real field work to generalize in at least one current technology; to explain the latest technologies.

Topics: The internship will give the students the opportunity to start directly as junior programr, junior analyst, junior developer, junior IT Network/IT infrastructure, junior database.

COMP6428 – EES IN INFORMATION TECHNOLOGY INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team work; problem solving; interpersonal skill.

COMP6429 – PROFESSIONAL EXPERIENCE IN INFORMATION TECHNOLOGY (8 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to apply the theory given in the class, so they will be more ready to apply the theory for job. They will be able to have experience using programming language to create real project.

Topics: Field of Information Technology workplace.

COMP6430 – PROFESSIONAL DEVELOPMENT IN INFORMATION TECHNOLOGY INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to enhance the soft skills.

Topics: Team work; problem solving; interpersonal skill.

COMP6431 – INFORMATION TECHNOLOGY PRACTICE IN PROFESSIONAL EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students obtain working experience in the real field work to build solution using current technologies; to summarize the future technologies.

Topics: The internship will give the students the opportunity to start directly as junior programr, junior analyst, junior developer, junior IT Network/IT infrastructure, junior database.

COMP6514 - EES IN INFORMATION TECHNOLOGY INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team work; problem solving; interpersonal skill.

COMP6514 - EES IN INFORMATION TECHNOLOGY INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team work; problem solving; interpersonal skill.

COMP6542 - COMPUTER SECURITY FUNDAMENTAL (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe Computer Security Environment; Analyze Computer Security Component; Evaluate Computer Security Requirement.

Topics: Computer Security Introduction; Cryptography; User Authentication; Access Control; Malicious Software; Denial of Service Attack; Firewall and Intrusion System Detection; Software Security; Operating System Security; Trusted Computing and Multilevel Security; IT Security Management and Risk Assessment; Legal and Ethics Aspect; Security Auditing.

COMP6543 - SECURE PROGRAMMING (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Define Secure Programming Theory for Security; Apply Secure Programming Technique Security on multi-platform; Evaluate Secure Programming Technique Applied.

Topics: Input Validation and Sanitization; Input and Output for Security; Expression Statement Evaluation; Methods and Function Security; Exceptional Behavior and Operation; Platform Security; Visibility and Atomicity; Applied Symmetric Encryption; Applied Hashing for Data Integrity; Applied Asymmetric Encryption; Applied Authentication and Authorization; Applied Trusted Model Computing.

COMP6544 - NETWORK PENETRATION TESTING (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe network penetration testing methodology; Execute network penetration testing method with correct step; Assess vulnerabilities network with correct method.

Topics: Introduction to Network Hacking; Information Gathering for Computer Network; Network Target Enumeration; Network Vulnerability Assessment; Network Sniffing; Remote Exploitation; Postexploitation; Operating System Server Exploit; Wireless Hacking; Web Server Hacking.

COMP6545 - SHELL SCRIPTING (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Construct Bash Shell Scripting; Apply Shell Scripting for File Administration; Apply Shell Scripting for System Administration.

Topics: Intro to Shell Category; Shell Variable; Shell Wildcard Expansion; Shell Conditional Execution; Shell Flow Control Using Loops; Shell Function and Libraries; Shell Array Manipulation; Shell Text Manipulation; Shell File Manipulation; Shell System Administration; Shell Process Control.

COMP6546 - NETWORK ADMINISTRATION (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe Network Security Monitoring; Apply Network Security Configuration Techniques; Analyze Network Monitoring Result; Evaluate Report of Network Monitoring Result.

Topics: Introduction to Network Security Monitoring; Collecting Network Traffic; Network Monitoring Deployment; Network Monitoring Distributed Deployment; Command Line Packet Analysis; Graphical Packet Analysis; Network Monitoring Consoles; Server-Side Compromise; Network Monitoring Operations; Client-Side Compromise; Extending Security Tools; Security and Checksums.

COMP6547 - NETWORK CRYPTOGRAPHY (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Define Cryptography Theory for Security; Apply Cryptography Technique Security on multi-platform; Evaluate Cryptography Technique Applied.

Topics: Introduction to Cryptography; Symetric Cryptography; Data Encryption Standard; Advanced Encryption Standard; Blowfish; Asymetric Cryptography; RSA Encryption; Digital Signature Standard; Public Key Infrastructure; Diffie–Hellman key exchange.

COMP6548 - PROGRAMMING FOR PENETRATION TESTING (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Construct Socket Network Program for Penetration Testing; Apply Additional tools for Penetration Testing; Assess System Vulnerability with Programming.

Topics: Socket network programming basic; Socket network programming in advanced; Raw and Network Sniffing Programming; Network Exploitation Programming; Web Assessment Programming; Web Crawling Programming; Request Web Server Hacking; Scripting for WiFi Hacking; Binary Exploitation; Reverse Engineering; Automatic Computer Forensic.

COMP6549 - SOFTWARE SECURITY (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Define Software Security Environment; Conduct Software Security Methodology; Evaluate Software Security Technique Applied.

Topics: Secure Software Development LifeCycle; Software Security Assessment; Software Security Architecture Model; Software Security Design and Development; Execute Software Security Assessment; Evaluate Software Security Fact Finding; Software Security Report Writing.

COMP6550 - SERVER ADMINISTRATION (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe the installation and the role and the task of System Administrator; Identify and resolve problems in Linux Administration; Describe basic concepts of computer security; Write shell scripts for system administration; Apply servers technology into virtual private server.

Topics: Introduction to LINUX Server; Web Server; Domain Name System; Mail Server; Load Balancing; Virtualization; Denial of Service Attacks and Intrusion Detection; Basic Shell Script; Introduction to Malicious Software; User Access Control; Regular Expression; Review.

COMP6551 - NETWORK FORENSIC (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe Basic of Network Forensics; Use Network Forensic Tools; Apply Network Forensics Technique; Analyze Procedure to perform Network Forensics.

Topics: Introduction to Network Forensic; Network Forensic Methodology; Network Forensic Tools; Collecting Evidence on Network Traffic; Packet Data Artifacts & Analysis; Network Forensic Report Writing.

COMP6552 - COMPUTER FORENSIC (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe Basic of Computer Forensics; Use Computer Forensic Tools; Apply Computer Forensics Technique; Analyze Procedure to perform Computer Forensics.

Topics: Introduction to Computer Forensic; Computer Forensic Methodology; Computer Forensic Tools; Collecting Evidence on Computer; Operating System Artifacts; Internet and E-Mail Forensics; Antiforensics; Mobile Forensic; Computer Forensic Report Writing.

COMP6561 - INDUSTRIAL EXPERIENCE IN CYBER SECURITY DOMAIN (8 Credits)

Learning Outcomes: The primary goal of an internship is to provide the student with the opportunity to apply knowledge gained in the classroom to solve practical real-world problems in a professional setting.

Topics: Professional Skills; Cyber Ethics Skill; Industry Security Awareness; Career Preparation.

COMP6563 – EES IN CYBER SECURITY INDUSTRY (3 Credits)

Learning Outcomes: The primary goal of an EES in Cyber Security Industry is to provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communication Skills; Problem Solving Skills; Team Work Skills; Interpersonal Skills.

COMP6564 - PROFESSIONAL EXPERIENCE IN CYBER SECURITY DOMAIN (8 Credits)

Learning Outcomes: The primary goal of an internship is to provide the student with the opportunity to apply knowledge gained in the classroom to solve practical real-world problems in a professional setting and prepare for real career in global industries or become ethical hacker.

Topics: Professional Skills; Creative Skills; Industry Awareness; Career Preparation; Professional Cyber Security Service.

COMP6566 - PROFESSIONAL DEVELOPMENT IN CYBER SECURITY INDUSTRY (4 Credits)

Learning Outcomes: The primary goal of an EES in Cyber Security Industry is to provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communication Skills; Problem Solving Skills; Team Work Skills; Interpersonal Skills.

COMP6575 - RESEARCH TOPICS IN COMPUTER SCIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate how to carry out a research; Apply method to find and evaluate relevant information for a scientific problem; Demonstrate how to analyse results; Perform the research result in scientific report.

Topics: An introduction to research methodology; Computer science research; The literature review; Defining research problem; Research design; Qualitative and quantitative research; Measurement and scaling techniques; Sampling and data analysis; Testing hypotheses; Graph and visualization; Statistical analysis; Significance of Report Writing; Research ethics.

COMP6576 - NATURAL LANGUAGE PROCESSING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe what is natural language processing; Explain fundamental concepts of natural language processing; Apply natural language processing concepts in sentences; Construct natural language processing application.

Topics: Natural language processing; Regular expression and automata; Words and transducers; N-grams; Part-of-Speech tagging; Hidden Markov and Maximum Entropy Models; Syntactic Parsing; Statistical parsing; Computational semantics; Lexical semantics; Computational discourse; NLP application; Project presentation.

COMP6577 - MACHINE LEARNING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe what machine learning is about; Explain probability and stochastic processes of discrete variables and continuous variables; Modify parameter of modeling function; Experiment of cost function in linear estimation; Construct learning algorithm.

Topics: Introduction to machine learning (classification and regression); Probability and stochastic processes I (Probability, discrete random variables, distribution example of discrete variables); Probability and stochastic processes II (continuous random variables, mean and variance, transformation of random variables, distribution example of continuous variables); Learning in Parametric Modeling I (Parameter estimation, linear regression, classification); Learning in Parametric Modeling II (Regularization, maximum likelihood method, Bayesian inference); Mean-Square error linear estimation I (The cost function surface, a geometric viewpoint (Orthogonality condition)); Mean-Square error linear estimation II (Extension to complex-valued variables and linear filtering); Bayesian classification; Decision (Hyper)surfaces (SVM); The Naïve Bayes Classifier; The Nearest Neighbor Rule; Logistic Regression; Classification Trees.

COMP6578 - INFORMATION VISUALIZATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the information visualization concepts; Describe the data visualization techniques; Analyze the data to visualize the information; Design the visualization of the information.

Topics: Introduction to Visualization; Data Foundation; Human Perception and Information Processing; Visualization Foundations; Visualization Techniques for Spatial Data, Geospatial Data, Time Oriented Data; Visualization Techniques for Trees, Graphs, and Networks, Multivariate Data; Visualization Systems; Comparing and Evaluating Visualization Techniques; Designing Effective Visualizations; Interaction Techniques; Text and Document Visualization.

COMP6579 - BIG DATA PROCESSING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the characteristic and types of big data; Understand concept of distributed file systems and distributed data processing; Understand fundamental of NoSQL and cloud computing.

Topics: Introduction to big data; Characteristics and types of big data; Hadoop; MapReduce; HDFS; NoSQL (Hadoop-based); NoSQL (non Hadoop); Cloud computing.

COMP6580 - DATABASE ADMINISTRATION (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the strategy to manage and monitor the database server; Apply SQL server features; Apply strategies for performance tuning; Perform a plan for backup and recovery.

Topics: SQL server architecture; Managing and troubleshooting the database engine; Securing database instance; Configuring server for optimal performance; Optimizing SQL server; Monitoring SQL server; Performance tuning; Indexing; Replication; Clustering SQL server; Backup and recovery; SQL server reporting services administration; SQL database administration and configuration.

COMP6581 - INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain concept, component, and the advantages of geographical information system; Demonstrate model of spatial analysis using GIS software; Design GIS application; Apply project management in the GIS development; Describe the direction of GIS development in the future.

Topics: Fundamental of GIS; Spatial data; Spatial data modelling; Spatial analysis; Spatial analysis using GIS software; Analytical modelling in GIS; OpenGIS and Distributed GIS; MobileGIS; Issues in GIS: data quality, human and organizational issues; Object modelling and geodatabases; Geodatabase design; GIS project design and management; The future of GIS.

COMP6582 - COMPUTER SECURITY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the design principles, threats, attacks and security strategy; Evaluate different strategies to handle security threats and attacks; Apply different encryption techniques in computer and network security.

Topics: Overview; Cryptographic tools; User Authentication and Access control; Malicious software; DoS, Intrusion Detection and Prevention, Firewalls; Software and OS Security; IT Security Management and Risks; Physical Infrastructure Security; Human Resource Security; Cryptographic Algorithms; Internet Security Protocol; Internet Authentication Application; Wireless Network Security.

COMP6583 - COMPUTER GRAPHICS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define Computer graphics system and architectures; Explain Graphics with OpenGL and viewing in graphics programming; Apply Raster graphics, clipping, graphics transformation, illumination, lighting, shading, texture, and object modelling algorithms in 2D/3D; Analyze Raster graphics, clipping, graphics transformation, illumination, lighting, shading, texture, and object modelling algorithms in 2D/3D; Construct Raster graphics, clipping, graphics transformation, illumination, lighting, shading, texture, and object modelling algorithms in 2D/3D.

Topics: Introduction to Computer Graphics; Open Graphic Library OpenGL 3.x; 2D and 3D Geometri Transformation; 3D Viewing I; 3D Viewing II; Color Models; Topics for Final Project: Overview; Image Processing and ANTIALIASING; Rasterization (Scan Conversion); Line and POLYGON Clipping; Lighting and Illumination Models; TEXTURE MAPPING.

COMP6584 - NETWORK AND SYSTEM PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of client-server networks and its related system libraries; Select related system libraries and tools to solve client-server problems; Demonstrate using selected libraries for client-server applications.

Topics: Network System Overview; Socket Introduction; Elementary TCP Sockets; Case Study; Multiprocessing Concept; Multithreading Concept; I/O Multiplexing Concept; UDP Sockets; Unicast, Multicast, and Broadcast; Winsock Programming; Java Socket Programming; Mobile Client-Server; Review.

COMP6585 – SYSTEM ADMINISTRATION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain computer network and server concept and technique; Identify service in a server; Demonstrate installing, configuring and administering a server.

Topics: Overview; Configure Network Service; Plan and Install Active Directory; Configure Windows Server; Administer Active Directory; Manage GPOs; Manage Security; Configure TCP/IP; Manage File Service; Configure DNS; Configure Routing and Remote Access; Configure a Network Policy Server Infrastructure; Configure and Manage Active Directory.

COMP6586 - EMBEDDED SYSTEMS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain embedded system & Internet of Things (IoT); Describe component of internet of things and implementation IoT in life; Produce a simple design of IoT.

Topics: Introduction; Android Peripherals; Bluetooth; TV Remote; Home Automation Controller; Power Control; Smart Thermostat; RFID Doorlock; Augmented Reality; Virtual Reality.

COMP6587 - DEEP LEARNING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of neural network; Explain components for tuning the learning process; Design deep learning architecture.

Topics: Introduction to neural network; Learning in Neural Networks; Deep-feed forward networks; Regularization for deep learning; Optimization for Training Deep models; Convolutional Neural Network; CNN using TensorFlow; Recurrent Neural Network; GRUs and LSTMs; Recursive neural networks; Deep learning research; Review/project presentation.

COMP6588 - INFORMATION RETRIEVAL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of Information Retrieval System; Apply Boolean retrieval in which the document either matches a query or not; Compute scoring for ranking function; Apply techniques to evaluate and enhanced the retrieval system; Breakdown the techniques in web information retrieval.

Topics: Introduction to information retrieval; Boolean retrieval; The term vocabulary and posting lists; Dictionary and tolerant retrieval; Index construction; Index compression; Scoring, term weighting, and the vector space model; Computing score in a complete search system; Evaluation in information retrieval; Relevance feedback and query expansion; Web search basics; Web crawling and indexes; Review/project presentation.

COMP6589 - GAME DESIGN PROGRAMMING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe general game design; Create game design documentation; Design User Interface for Game Development; Deploy game application using Unity.

Topics: Introduction to Unity Programming; 3D space; Sound Effects and Music; Graphics; Design 2D GUI in a 3D Game; Third Person 3D Game; Memory Game; Interactive Devices and items; Enemies and Projectiles to the 3D Game; Creative and Expressive Play; Deploy to players' device; Game Play; Game Prototype; Introduction to Game Design; Game Worlds; Design Component and Process; Game Genre; Game Concept; Character Development; Storytelling and Narrative; User Interface; Core Mechanics; Game Balancing; Level Design.

COMP6590 - GEOGRAPHICAL INFORMATION SYSTEM (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain concept, component, and the advantages of geographical information system; Demonstrate model of spatial analysis using GIS software; Design GIS application; Apply project management in the GIS development; Describe the direction of GIS development in the future.

Topics: Fundamental of GIS; Spatial data; Spatial data modelling; Spatial analysis; Spatial analysis using GIS software; Analytical modelling in GIS; OpenGIS and Distributed GIS; MobileGIS; Issues in GIS: data quality, human and organizational issues; Object modelling and geodatabases; Geodatabase design; GIS project design and management; The future of GIS.

COMP6591 - PORTABLE OPERATING SYSTEM INTERFACE (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe LINUX/UNIX compliant Operating System, its components, and services; Demonstrate using LINUX/UNIX User Interface and System Administration; Apply security techniques on LINUX/UNIX system and its services.

Topics: Overview to POSIX compliant Operating System; Shell Introduction and File system; Text Files and Running Processes; Shell Scripts and System Administrator; Managing User Account, Disk, and File Systems; Server and Network Administration; Service and Print Server; Web and FTP Server; Windows File Sharing and NFS; Linux Troubleshooting; Basic and Advanced Linux Security; Securing Linux on a Network and SE Linux; Linux on the Cloud.

COMP7066 - EXPERT SYSTEMS (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain concepts of Expert Systems; Describe the characteristics of Expert Systems; Solve problems by using Expert Systems; Demonstrate the algorithm using Expert Systems tools.

Topics: Introduction to Expert Systems 1; Introduction to Expert Systems 2; The Representation of Knowledge 1; The Representation of Knowledge 2; Methods of Inference 1; Methods of Inference 2; Reasoning under Uncertainty 1; Reasoning under Uncertainty 2; Inexact Reasoning 1; Inexact Reasoning 2; Design of Expert Systems; Introduction to CLIPS 1; Introduction to CLIPS 2.

COMP7084 - MULTIMEDIA SYSTEMS (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain interactive multimedia and multimedia elements; Choose suitable multimedia elements for multimedia applications; Create simple multimedia application; Choose the multimedia delivery methods for multimedia applications.

Topics: Basic Principles of Multimedia; Text; Image; Sound; Animation; Video; Review I; Making Multimedia; Multimedia Project (Planning, Costing, Designing and Producing); Content and Talent; Delivering Multimedia; Multimedia Advanced; Review II.

COMP7094 - MULTIMEDIA PROGRAMMING FOUNDATION (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Use formats in multimedia elements; Select multimedia elements builder; Compare formats in multimedia elements.

Topics: Introduction to Multimedia; Multimedia Authoring and Tools; Popular Image File Format; Color in Image and Video; Multimedia Data Compression; Introduction to Graphics 2D; Animation in Graphics 2D; Fundamental Concepts in Video; Digital Video; Basics of Digital Audio; Popular Audio File Format; Current Popular Multimedia; Introduction to 3D Objects.

COMP7116 – COMPUTER VISION (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the computational principles underlying various application of Computer Vision Systems; Explain the various standard procedures of image preprocessing prior to image analysis; Select and extract different image features required for various application of Computer Vision Systems; Construct reliable and accurate Computer Vision Systems for solving various image based industrial problems.

Topics: Introduction to Computer Vision; Image Formation: Geometric Camera Models; Image Formation: Light and Color; Linear Filters; Edge Detection; Image Feature; Image Segmentation I; Image Segmentation II; Structure from motion; Recognition I; Recognition II; Project Presentation.

COMP7117 – ARTIFICIAL NEURAL NETWORK (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the concept of neural network; Analyze several cases using the concept of neural network; Solve problems using neural network models; Create applications using the concept of neural network.

Topics: Introduction to Artificial Neural Network; Single Layer Perceptron; Multilayer Feedforward Neural Network 1; Multilayer Feedforward Neural Network 2; Performance Evaluation; Recurrent Neural Network 1; Recurrent Neural Network 2; Self Organizing Map 1; Self Organizing Map 2; Principal Component Analysis; Convolutional Neural Network 1; Convolutional Neural Network 2; Review Material.

COMP7142 - POPULAR NETWORK TECHNOLOGY (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the Computer Network Concept and technique; Identify the types of Network Devices; Demonstrate network device configuration on a network.

Topics: Introduction to Network; Networking Devices and Topologies; Internet Protocol and Addressing; IP Subnetting and Troubleshooting; Introduction to IP Routing; Routing Protocol; Switching and Virtual Lan; Wireless Networking; Authentication and Access Control; Wide Area Network; Troubleshooting Tools; Network Troubleshooting; Management, Monitoring, and Optimization.

COMP8074 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Produce an operational plan of study designed to lead to the successful completion of the thesis; Perform a comprehensive literature review of the topic under investigation and write a comprehensive and logical evaluation of the significant and relevant aspects; Design and implement an appropriate research methodology taking full account of the range of alternative techniques and approaches; Write Plan and write a thesis, which demonstrates both a detailed understanding of the selected topic and a logical consistency in approach.

Topics: Introduction; Doing Research; Experiments; Ethics; Giving Presentation.

COMP8108 – NATURAL LANGUAGE PROCESSING (2/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe what is Natural Language Processing; Explain fundamental concepts of Natural Language Processing; Apply Natural Language Processing concepts in sentences; Construct Natural Language Processing application.

Topics: Natural Language Processing; Regular Expressions and Automata; Words and Transducers; N-grams; Part-of-Speech Tagging; Hidden Markov and Maximum Entropy Models; Syntactic Parsing; Statistical Parsing; Computational Semantics; Lexical Semantics; Computational Discourse; NLP Applications; Project Presentation.

COMP8129 – USER EXPERIENCE (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of UX and its elements; Apply design principles to prototyping and design UX; Analyze the good UX and methods to plan, analysis, design and build UX; Evaluate the design UX, based on requirement; Compile the quality of the UX , and integrate it to whole system.

Topics: Introduction to UX; UX Design Methodology; Project Objectives and Approach & Requirements; User Research; Personas; Content Strategy; Site Maps and Task Flows; UX Design Principles; Wireframes and Annotations; Prototyping; Design Testing with Users; Transition: From Design to Development and Beyond; Project.

SUBJECT AREA: CPEN

CPEN6028 – ACTUATORS AND SENSORS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain various sensors and actuators and how they work; Choose appropriate sensors and actuators for a certain system application; Describe electronic circuits needed to connect sensors and actuators.

Topics: Introduction; Temperature Sensors and Thermal Actuators; Optical Sensors and Actuators; Electric and Magnetic Sensors and Actuators; Mechanical Sensors and Actuators; Acoustic Sensors and Actuators; Chemical Sensor and Actuators; Radiation Sensors and Actuators; MEMS and Smart Sensors; Interfacing Methods and Circuits; Interfacing to Microprocessors.

CPEN6034 – COMPUTER ORGANIZATION AND ARCHITECTURE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply State Digital Signals and Systems, Numbering Systems, Binary Math, Logic Functions, and Boolean Algebra; Apply Restate Standard Boolean, Karnaugh Maps, Combinational Logic, and Binary Operation Applications; Produce machines that uses Memory Cells, State Machines, Memory Organization and Hierarchy, and Serial Protocol Basics; Inspect Processor Architecture with Intel 80x86 Base Architecture, and its Assembly Language.

Topics: Digital Signals and Systems, Numbering Systems, Binary Math, Logic Functions, Boolean Algebra, and Standard Boolean; Karnaugh Maps, Combinational Logic, and Binary Operation Applications; Memory Cells, State Machines, Memory Organization and Hierarchy, and Serial Protocol Basics; Processor Architecture with Intel 80x86 Base Architecture and its Assembly Language.

CPEN6046 – COMPUTER NETWORKS (4/1 Credits)

Learning Outcomes: On successful completion this course, students will be able to: Explain the components of a computer network and Network Architecture; Explain of Physical Layer and Data Link techniques; Construct a corporate intranet network; Explain routing and internet working principles; Construct an internet connected corporate network.

Topics: Introduction to Network Communications; Network Models - OSI & TCP/IP; Physical Layer - Data and Signal; Physical Layer - Data Transmission; Physical Layer - Networking Media; Data Link - Error Detection; Data Link - Error Detection & Correction; Data Link - Data Link Control; Data Link - Multiple Access; Data Link - Wired & Wireless LAN; Network Layer – Function; Network Layer - IP Addressing; Network Layer – Subnetting; Network Layer - Special Adress & NAT; DHCP, ARP, RARP; Routing Techniques; Routing Protocol; Routing Protocol Algorithm; Internetworking; Delivery & Forwarding Of IP Packets; Intranet; ICMP; DNS; Transport Layer; Application Layer; Network Management.

CPEN6048 – COMPUTER NETWORKS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe basic structures of network; Explain basic concepts of network; Explain concepts of create network in corporate environment.

Topics: Corporate Network; TCP/IP Model; Networking Media – Guided; Networking Media – Unguided; Intranet; IP Addressing; Internetworking; Routing; Network Protocols; Transport Layer; DNS; Application Layer; Security

CPEN6075 – COMPUTER SYSTEM DEVELOPMENT AND METHODOLOGY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Design process of turning an idea into a final design; Plan the different functions that people play in a project; Classify what students role is in a project, based on their interests and skills.

Topics: Engineering Design, Design Process, Design Problem, Functions and Requirements; Generating and Evaluating Design Alternatives, Communicating the Design Outcome; Leading and Managing the Design Process, Designing for, Ethics in Design.

CPEN6078 – INTRODUCTION TO COMPUTER ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Convert numbers and vectors into preferred form; Describe the fundamental concepts of computer engineering; Calculate mathematical problem associated with number bases, complex numbers, vectors, and matrices; Solve computer engineering problems associated with basic circuit analysis, digital logic, digital signal processing and communication system.

Topics: Basic Mathematics Concepts; Basic Circuit Analysis; Digital Logic; Computer Organization and Architecture; Digital Signal Processing; Communication System.

CPEN6079 - ELECTRIC CIRCUIT THEORY (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe various methods in analyzing electric circuits (DC and AC) that consist of passive component (resistors, inductors, capacitors) and various applications of those circuits; Calculate the parameters (current, voltage, power etc.) of R, L, and C circuits both DC and AC using various analyzing methods of electric circuits; Compare various types of R, L and C circuits and its applications both DC and AC; Design various types of passive filter circuits (LPF, HPF, BPF, and BSF) using R, L and C components.

Topics: Electrical Quantities and Units; DC Circuits; AC Circuits; Three-Phase Systems in Power Applications.

CPEN6080 – ELECTRONIC DEVICES (4/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the principles of semiconductor devices; Calculate the parameters (current, voltage etc.) of the semiconductor devices circuit; Compare the mechanism and applications of various semiconductor devices; Design a semiconductor devices circuit.

Topics: Introduction to Semiconductors; Diodes; Bipolar Junction Transistors (BJT); Field-Effect Transistor (FET); Thyristors; Introduction to Operational Amplifier (Op-Amp); Basic Op-Amp Circuits; Applications of Op-Amp Circuits.

CPEN6081 - DIGITAL SYSTEM (5/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Construct digital diagram/ scheme using various logic components; Describe combinational and sequential circuits both theoretically and practically; Apply and demonstrate the work of combinational and sequential circuits; Recognize the opportunity and idea for potential business project in related to digital system area; Analyze the potential business project using business model framework related to digital system area; Propose potential new business project.

Topics: Digital Concept; Customer Insight and Market Analysis; Number systems, Operations, and codes; Business Model Environment; Logic Gates; Product/ Services Development; Boolean Algebra and Logic Simplification; Design Process; Combinational Logic Analysis; Prototyping Product/ Service; Functions of Combinational Circuits; Evaluating Product/ Services Prototype; Sequential Asynchronous Circuits; Synchronous Sequential Logic; Memory and Storage; Counter; Shift Registers; Programmable Logic Software and Introduction of DSP; Project Presentation.

CPEN6083 - DIGITAL SIGNAL PROCESSING (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the basic concepts and operations of Digital Signal Processing (DSP); Perform the mathematical operations of DSP; Design an DSP application.

Topics: Introduction to Digital Signal Processing (DSP); Least Squares, Orthogonality, and the Fourier Series; Correlation, Fourier Spectra, and Sampling Theorem; Linear Systems and Transfer Functions.

CPEN6084 - MICROCONTROLLER DESIGN AND APPLICATION (5/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Design AVR 8-bits program and circuits; Create application circuit using AVR 8-bits microcontroller peripherals; Design simple 32-bits microcontroller application using PIC32; Build simple Embedded System Project using Microcontroller; Propose business plan and the showcased potential business project.

Topic: Introduction to AVR 8-bits RISC Microcontroller; AVR 8 bits CPU Register and Clock System; Business Plan Preparation; AVR 8 bits Development Tools; AVR 8 bits Program Execution; Financial Aspect of Business; Mini Project 1: Build Simple AVR Circuit; Develop A Business Plan; AVR 8 bits Interrupt System; Strategic Future Plan; Using LCD for AVR Text Based output; Using AVR 8 bits USART for Serial Communication; Your Business Now; Mini Project 2: Build Simple Application with AVR UART and Interrupt; Using AVR 8 bits Timer; Using AVR 8 bits I2C Communication; Using AVR Analog I/O; Using AVR to Drive Servo Motor; Mini Project 3: Build Simple Data Acquisition; Business Plan Evaluation; Using AVR 8 bits SPI for High Speed Synchronous Serial Communication; How to Make Your Program Efficient; Introduction to PIC32 32 bits Microcontroller; Getting Started Using PIC32 Microcontroller; Using PIC32 Timer and PWM; Serial Communication using PIC32; Group Project and Presentation.

CPEN6098 - COMPUTER NETWORKS (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe basic structures of network; Explain basic concepts of network; Explain concepts of create network environment.

Topics: Introduction to Network; TCP/IP Model; Networking Media; Intranet; IP Addressing; Subnetting; Routing; Internetworking; Network Protocols; Transport Layer; DNS; Application Layer; Security; Computer Network Introduction; Basic Subnetting; Advanced Subnetting; Routing Techniques; Access List; Quiz I; VLAN; Routing Techniques - Dynamic Routing; DHCP Server Concept & Wireless LAN; Internetworking; Review; Quiz II

CPEN6099 – SIGNAL AND SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the theoretical and mathematical techniques of signals and systems, Use computer software to model signal and system or to design digital filter; Apply the knowledge of signal and system to solve problems in engineering applications.

Topics: Introduction to signals and systems, Continuous-Time Signals, Continuous-Time Systems, Application to Control and Communications, Sampling Theory, Compressive Sensing; Discrete-Time Signals and Systems, Introduction to the Design of Discrete Filters, Applications of Discrete-Time Signals and Systems.

CPEN6104 - AUTOMATION AND PROCESS CONTROL IN FOOD PROCESSING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply PLC (programmable logic controller) in the food industry automation; Evaluate and design some type of controllers (motion control and force control) for the application in the food industry.

Topics: The programmable logic controller (PLC); Motion control; Force control.

CPEN6108 – COMPUTER NETWORKS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic structures of network; Explain basic concepts of network; Explain concepts of create network environment.

Topics: Introduction to Network; TCP/IP Model; Networking Media; Intranet & Extranet; IP Addressing; Classless & Subnetting; Routing; Inter-networking; Network Protocols; Transport Layer; DNS; Application Layer; Security; Computer Network Introduction; Basic Subnetting; Advanced Subnetting; Routing Techniques; Access List; Quiz I; VLAN; Routing Techniques - Dynamic Routing; DHCP Server Concept & Wireless LAN; Internetworking; Review; Quiz II.

CPEN6109 – COMPUTER NETWORKS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic structures of network; Explain basic concepts of network; Explain concepts of create network environment.

Topics: Introduction to Network; TCP/IP Model; Networking Media; Intranet; IP Addressing; Classless & Subnetting; Routing; Internetworking; Network Protocols; Transport Layer; DNS; Application Layer; Security; Computer Network Introduction; Basic Subnetting; Advanced Subnetting; Routing Techniques; Access List; Quiz I; VLAN; Routing Techniques - Dynamic Routing; DHCP Server Concept & Wireless LAN; Internetworking; Review; Quiz II.

CPEN6110 – FINAL PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: perform engineering practices to create a major design that is based on the knowledge and skills acquired in earlier course work that combines standard techniques appropriate and some realistic constraints.

Topics: Introduction, Theory, Methods, Analysis & Result, Conclusions & Recommendations.

CPEN6123 - CIRCUITS AND SIGNALS (4/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the theoretical and mathematical techniques in analyzing electric circuits that consist of passive components (resistors, inductors, capacitors) for DC and AC signals; Apply the theoretical and mathematical techniques of electric circuits and signals to solve problems of passive circuits for DC and AC signals; Design various types of passive filter circuits.

Topics: Introduction to Circuits and Signals; Voltage and Current Laws; Basic Nodal and Mesh Analysis; Handy Circuit Analysis Techniques; RL, RC and RLC Circuits; Sinusoidal Steady State Circuits; AC Circuit Power Analysis; Circuit Analysis in the s-Domain; Fourier Circuit Analysis.

CPEN6124 - DIGITAL COMMUNICATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to : Explain fundamental theory of electronic communications; Explain Carrier modulation techniques; Explain Non Carrier modulation techniques; Explain techniques for transmission efficiency; Explain for techniques for quality assurance; Explain communication systems techniques.

Topics: Overview; Fundamental Theory - Fourier Analysis; Fundamental Theory - Linear Systems; Fundamental Theory - Signal and Noise; Fundamental Theory - Bandpass Signal; Fundamental Theory - Information Theory; Carrier Modulation - Amplitude Modulation; Carrier Modulation - Angle Modulation; Carrier Modulation - Digital Modulation System; Non Carrier Modulation - Digital Data Transmission; Non Carrier Modulation - Line Coding; Non Carrier Modulation - PCM; Transmission Efficiency - Compression and Coding; Transmission Efficiency - Multiplexing; Quality Assurance - Error Detection and Correction; Quality Assurance - AWGN Channel; Quality Assurance - Band Limited Channel; Quality Assurance - Fading Channel; Communication Systems - Switching; Communication Systems - Digital Voice; Communication Systems - Digital Voice - SIP; Communication Systems; Digital Television; Communication Systems - Digital Television B; Communication Systems - Satellite; Communication Systems - Wireless Systems; Communication Systems - Test Systems.

CPEN6125 - COMPUTATIONAL INTELLIGENCE (4/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the theory, framework, and algorithms of CI; Apply the theory, framework, and algorithms of CI for providing actual application of those techniques in the real world; Design a system using CI techniques.

Topics: Introduction to Computational Intelligence; Neural Networks; Fuzzy Systems; Evolutionary Computation.

CPEN6126 - CROSS PLATFORM APPLICATION DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create Simple Qt Program; Build GUI Application Using Qt Widget; Build Cross Platform Application using Qt.

Topics: Cross Platform Application Development Overview; Creating Simple Qt Application; Build GUI Application Using Qt Standard Widget; Build GUI Application Using Qt Advanced Widget; Build Database application; Build Network Application; Multithreading; Deploy Qt Application on cross platform environment; Project Presentation.

CPEN6127 - NETWORK INFRASTRUCTURE TECHNOLOGY (4/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain electromagnetic waves properties; Explain mechanism of transmission lines and antennas in carrying information; Explain the light properties in fiber optics; Explain fiber optics components in optical transmission; Explain optical transmission and multiplexing; Explain the role of network management system.

Topics: Electromagnetic Waves Properties; Microwave Propagation; Microwave Impairments – Attenuation; Microwave Impairments – Fading; Transmission Lines; Antennas; Omni Directional Antenna; Directional Antenna; Microwave Transmission System; Cellular concept; Light Properties; Fiber Optics Properties; Optical Cables; Optical Cable Components; Optical Transmission System; Optical Multiplexing; Communication Optical Network; Broadband Optical Network; Role of Network Management; Network Management in operation; Network Management Components; Infrastructure and Service Management; Management Building Blocks; Management Information Base; Communication Model; Network Management Protocol.

CPEN6128 - MOBILE COMMUNICATIONS AND CYBER SECURITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the fundamental principles of wireless engineering; Explain the principles and application of cellular communications; Explain the wireless data centric communications; Explain the principles of securing information; Explain the techniques for securing the network.

Topics: Wireless Communications Principles; Cellular System Principles; GSM System; GSM Message and Data service; Spread Spectrum Principles; CDMA Communications System; Signaling SS#7-System; Signaling SS#7-Protocol; 3G WCDMA-System; 3G WCDMA-Applications; 3G CDMA2000 System; 4G LTE System; 4G LTE-Network; Wireless Application Devices; Cyber Security Principles; Network Security Architecture; Classical Information Security; Block Cipher and Standards; Asymmetric Cryptography; Cryptographic Data Integrity; Public Key Infrastructure; System Access Control; Transport Layer security; Network Layer Security; Network Intrusion Prevention systems; Wireless Network Security.

CPEN6129 - COMPUTER ENGINEERING PRACTICAL EXPERIENCE I : FOR INDUSTRY PRACTICE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to : identify and solve Computer Engineering problems; apply skills, and modern Computer Engineering tools if necessary; provide reports/documents.

Topics: Project in Computer Communication and Embedded Intelligent System.

CPEN6130 - COMPUTER ENGINEERING TECHNICAL ANALYSIS I : FOR INDUSTRY PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: apply computer engineering knowledge for fulfilling industrial specifications within various industrial constraints; provide reports/documents.

Topics: Specific activity for problem solving within Computer Communication and Embedded Intelligent System project.

CPEN6133 - COMPUTER ENGINEERING PRACTICAL EXPERIENCE II : FOR INDUSTRY PRACTICE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to : identify and solve Computer Engineering problems as professionals; apply skills and modern Computer Engineering tools if necessary; provide reports/documents.

Topics: Professionalism practice in Computer Communication and Embedded Intelligent System practices.

CPEN6134 - COMPUTER ENGINEERING TECHNICAL ANALYSIS II : FOR INDUSTRY PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to : apply computer engineering knowledge as professional for fulfilling industrial practice within various constraints; provide reports/documents.

Topics: Professionalism practice in Computer Communication and Embedded Intelligent System.

CPEN6136 - COMPUTER ENGINEERING EES EXPERIENCE II : FOR INDUSTRY PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to : recognize the need for, and an ability to engage in lifelong learning of knowledge of contemporary issues; provide reports/documents.

Topics: Identify constraints concerning economic value due professional and ethical issues.

CPEN6137 – INTRODUCTION TO SENSORS TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain how the sensors works; Use mathematical model to describe the behaviors of sensors and actuators; Apply the knowledge of sensors technology for the food industries; Choose and design appropriate for the system in the food industries.

Topics: Introduction to sensors and actuators; Magnetic sensors; Linear actuators; Rotary actuators.

CPEN6147 - COMPUTER ENGINEERING EES EXPERIENCE I : FOR INDUSTRY PRACTICE (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to : work in multidisciplinary teams and communicate effectively; apply professional and ethical responsibility; provide reports/documents.

Topics: Team work; interpersonal skill; professional ethic in Computer Engineering.

CPEN8092 - APPLIED NETWORKING I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the role of networks and their components; Explain the functions of each layer of OSI model; Explain Ethernet protocol, hardware and configuration; Explain the function of a router and static routing; Explain dynamic routing; Explain routing protocols.

Topics: Communicating in a Network Centric World; Application Layer Function and Protocols; Transport Layer; Network Layer; Addressing; Data Link and Physical Layer; Ethernet; Planning , Cabling, Configuring and Testing; Inside the Router and Building the Routing Table; Routers and the Network; Static Routing – Direct Connected; Static Routing – Exit Interfaces; Introduction to Dynamic Routing Protocols; Distance Vector Routing Protocols; VLSM and CIDR; RIPv2 - RIPv1 Limitations; RIPv2; The Routing Table; Routing Table Lookup Process; Introduction to EIGRP; EIGRP Metric Calculation; EIGRP Configurations; Link-State Routing Protocols; Introduction to OSPF; OSPF Metrics; OSPF Configuration.

CPEN8093 - APPLIED NETWORKING II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain LAN Switching and VLAN; Construct WLAN; Apply WAN and serial communication; Apply Network Security for routers and using ACL; Design IP Addressing services and Network Troubleshooting

Topics: Switched LAN Architecture; Basic Switch Concepts; Configuring Switch Security; VLAN; VTP; STP; STP Convergence; Inter-VLAN Routing; Basic Wireless Concepts and Configuration; Configure Wireless LAN Access; Introduction to WANs; Introducing Serial Communications; PPP Concepts; Frame Relay; Advanced Frame Relay Concepts; Network Security; Securing Cisco Routers; Secure Router Management; ACL; Configuring an Extended ACL; Teleworker Services; IP Addressing Services; Scaling Networks with NAT; IPv6; Network Troubleshooting; Review of WAN Communications

CPEN8094 - APPLIED NETWORKING III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain platform used and principles of penetration test; Demonstrate how to sniff, scan, perform system check; Demonstrate hacking of web server, web application and wireless; Explain phishing, DOS, Social Engineering and privilege escalation; Explain how to maintain access, evade network security devices and how to make document and report.

Topics: Introduction to Ethical Hacking; Platform – Backtrack/Kali Linux; Network and Computer Attacks; Penetration Testing; Planning - Target Scoping; Information Gathering; Target Discovery; Footprinting; Enumeration; Vulnerability Mapping; Sniffers; Scanning; Target Exploitation; System Hacking; Operating Systems Vulnerabilities; Hacking Web Servers; Web Application Vulnerabilities; Hacking Wireless Networks; Phishing; Hijacking; Denial of Service; Social Engineering; Privilege Escalation; Maintaining Access; Protecting Networks with Security Devices; Documentation and Reporting.

SUBJECT AREA: DSGN

DSGN6010 – ARCHITECTURAL PHOTOGRAPHY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discover the architectural photography expression; Analyze photography with an in-depth engagement with architecture; Propose the showcase of potential business project.

Topics: Introduction; The Business Market Segment; The Shooting Techniques; Interior and Exterior; Composition; Creative Techniques; Architectural Photo Session; Project Presentation; Business Development; Architectural Photography Review.

DSGN6037 – INTERIOR DESIGN METHODOLOGY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Classify the design process in design; Apply the research methods in design; Use the strategies and methods to support the interior & furniture design process.

Topics: Thinking critically; Design as a process; Thinking approaches; Design thinking; Research Methodologies; Decision Making; Creating proposal Final Project (TA).

DSGN6042 – GREEN DESIGN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify the concept of Green Design (sustainable design); Explain the concept of Green Design for Interior design Project; Apply the concept of Green Design for Interior design project.

Topics: Introduction to Green Design; Introduction to the Climate Change; The Principle of Green Design 1; The Principle of Green Design 2; The concept of green design for community in Indonesia; The Concept of Local content as a part of Green Design; The Richness of Indonesian Local content; The application of Green Design 1; The application of Green Design 2; The application of Green Design 3; The application of Green Design 4; The responsibility as a designer toward a better world for living; The concept of bridging Indonesian community of green design to the world.

DSGN6098 – COLOR THEORY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the science of color and color theories in visual arts; Identify colors and standardized color systems and combinations; Practice color composition based on color properties & function, psychological & emotional aspect and context of color; Experiment the use of colors in a visual project.

Topics: What is Color?; Color Through the Ages; Properties of Color; Color Schemes; Color Perception; Working with Color – Color Composition; Working with Color – Color and Culture; Working with Color – Identity.

DSGN6099 – DRAWING I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the perspective view drawing; Use drawing knowledge and technique in drawing application; Demonstrate drawing by direct observation; Create human figure drawing in ideal proportion.

Topics: Basic Perspective 1: One Point Perspective View; Basic Perspective 2: Two Point Perspective View; Perspective Views from Observed Reality 1; Perspective Views from Observed Reality 2; Fundamental of Drawing; Human Figure Close Ups and Detail; Human Figure Proportions; Human Figure in Perspective Views; Human Figure Poses.

DSGN6100 – DRAWING II (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the human figure in gesture drawing; Create the natural world drawing; Use human figure drawing knowledge in drawing application; Create drawings which illustrate a composition/a story.

Topics: Figure Drawing and Portraiture; Variations of Human Figure; Human and Natural Environment; Human Interaction; Composition.

DSGN6101 – DESIGN AND MATERIALS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the fundamental elements and principles in art and design; Use design elements and principles in creating a design work; Create a visual composition in relationship with specific environment/sensation; Experiment the use of design elements and principles.

Topics: Introduction to Visual Perception; Points and Lines; Shape and Space; Texture; Unity and Harmony; Scale and Proportion; Contrast and Emphasis; Balance and Rhythm; Sensory Sensation Experiment.

DSGN6104 – TYPOGRAPHY I (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify typefaces according to historical classification; Draw major typefaces inside the historical classification; Differentiate major typefaces inside the historical classification.

Topics: Historical Classification of Typeface; Type Classification 1: the Serif; Type Classification 2: the Sans Serif; Type Classification 3: beyond the Serif & the Sans Serif.

DSGN6121 - COLOR THEORY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the color terms and color theories from the expert; Use colors as part of design elements; Practice psychological & emotional aspect of color; Create project according to the function and purpose of color.

Topics: Color is Property of Light, Color Model & Color Systems; Human Element in Color Perception; Color & Value; Color Functions; Color Relationship; Recolor Animation Movie Color Script; Creating Animation Movie Color Script.

DSGN6122 - DESIGN AND MATERIALS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the composition of a design which uses the visual elements; Use design principles in the process of creating a design; Combine the visual element of the relationship with design principles; Create compositions that use structural design principles.

Topics: Research and Concepts; Intro Elements Visual; Line; Shape; Pattern and Texture; Fundamentals of Composition; Balance; Unity; Value.

DSGN6134 – PHOTOGRAPHY II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Reorganize the character of advertising photography in a wide variety of product categories; Apply advanced techniques in advertising photography; Produce high quality images for advertising according to the different categories of products.

Topics: Introduction; Meet the pro; Pre Production; Photoshoot for ad.

DSGN6136 – PHOTOGRAPHY I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use camera and lighting in photography; Recognize photography problems and techniques; Design the final photography project of visual communication.

Topics: Basics of Photography; SLR Camera Usage; Basic Techniques of Photography; Outdoor Shooting Practice; Composition and Aesthetic Aspect; Digital Black and White Photography; 6 Lighting Qualities; Preparation and Briefing Final Project; Using Flash; Using Off Camera Flash; Night Shooting Techniques; Special Effects Techniques; The Photography Industry.

DSGN6137 – PHOTOGRAPHY II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize photography problems and techniques; Use camera and lighting in studio photography; Design the final studio photography project of visual communication.

Topics: The Introduction of Photographic Equipment in the Studio; Introduction of Basic Lighting with the Main Light (for 1-2 point lighting); Introduction of Lighting Accessories (3 points lightings); Basic Introduction to Shooting Models (Portraiture); Lighting the Basis for the Portrait; Hollywood Glamour Photography; Clamshell Lighting; Briefing Final Photography Project; Basic Still Life Photography; Still-life Photography Advanced; Still Life-Product Shot (Continued); Basic Cinematography; Presentation of Short Movie Poster (Final Project).

DSGN6140 – VISUAL COMMUNICATION DESIGN I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the problem and identify stages of thinking to solve design problem; Apply the stages of thinking to solve the design problem; Integrate the chosen graphic style to deliver the design solution.

Topics: STAGES OF THINKING (The Design Process); DEFINE & RESEARCH; IDEA GENERATION (Creating Potential Solutions); SEMIOTICS (The Study of Signs); PROTOTYPE (Resolving Solutions); SELECT (Making Choices); IMPLEMENT (Delivering the Solutions); LEARN (Obtaining Feedback).

DSGN6141 – VISUAL COMMUNICATION DESIGN II (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: State what a layout is; Explain elements of design hierarchy in a layout; Design and present an idea of layout style in accordance with target or trend; Apply a good layout design from any kind of medias.

Topics: Introduction to Layout Design; Principles & Element of Design; Hierarchy in Layout; Developing Layout Structure; Grid System; Gestalt in Graphic Design; Developing from Concept to Visualization; Media Characteristics and the Use; Designing Print Ad; Playing with Environment; Tactical Campaign Program.

DSGN6150 – MODELING & SHADING LIGHTING RENDERING I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply Useable and workable topology to the 3D Digital sculpting model method on 3D Character Design; Use Material shaders to create specific material effect; Apply Lighting setup to enhance the quality of the 3D model; Create 3D model render in a professional manner.

Topics: Topology & digital sculpting 3d modeling method Introduction; Digital Sculpting using Zsphere & dynamesh; Digital Sculpting 3D part using sub tool; Pipeline Integration; Digital Sculpting Polypaint to create textures; Approaching shader material and rendering preview; Retopologize; Lighting setup; Advance Material & Shader; Posing your 3d Character; Rigging & skinning; Advance rendering; Presenting 3D Character & 3D Printing.

DSGN6151 – MODELING & SHADING LIGHTING RENDERING II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create a replica of a real hard-surface object in 3D computer generated imagery; Utilize material editor to produce a realistic shader; Apply lighting theory to create a realistic lighting setup; Create a realistic rendering based on combination of shape, material, and lighting setup.

Topics: Hard Surface Modeling; Hard Surface Topology; Pipeline Integration; Approaching Hard surface using Digital Sculpting; Approaching Hard surface using Digital Sculpting Practice - 3D Illustration (Character & Environment); Gesture, form and proportion; Approaching Hard surface in character, Environment & Props design; Approaching shader material, creating texture with polypaint; Advance Material & Shader; Lighting application; Advance lighting; Advanced Rendering; Presenting 3D Character.

DSGN6157 – TYPOGRAPHY II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Depict typographic manners in amplifying messages; Manipulate typographic form-space and its dynamic relationships with content; Solve typographic solution based on methods; Demonstrate typographic solution.

Topics: Typographic Message; Syntax & Communication; Typographic Rules; Using Grid along with Basic Design Principles; Structuring Typographic Communication.

DSGN6162 – VISUAL COMMUNICATION DESIGN REVIEWS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the important times in advertising industry; Describe the advertising age, from traditional media into current advertising propose; Classify key ideas from different historical time frames of advertising.

Topics: The Creative Revolution; Good Art. Good Writing. Good Business; Advertising and the Language of Popular Culture; The Age of Image; Advertising Goes to Hollywood; Global Brands and the Flat World; Hearts and Minds: The Selling of Politics; Good Advertising: Advertising's Social Conscience; GSLC / Creative Review; Dot Communication: The World Goes Online; The End of The Beginning: Traditional Advertising in the Digital Age; From Searching to Sharing; Advertising: Connecting Product to Connected People.

DSGN6164 – DESIGN METHODS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic concepts, theories and approaches of design; Demonstrate key concepts, theories and approaches of design; Analyze design problems within particular context; Generate design solution based on conceptual approaches.

Topics: Understanding Design; Functional Approach 1; Functional Approach 2; Functional Approach 3; Experimental Approach 1; Experimental Approach 2; Meaning & Interpretation; The Design Process 1; The Design Process 2; The Design Process 3; The Design Process 4; The Design Process 5; The Design Proposal.

DSGN6165 – WESTERN ART REVIEW (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental knowledge and information; Identify western culture and civilization that become the background of art development; Illustrate basic knowledge of art development based on timeline review; Interpret the relation of western art between theoretical perspective with practical knowledge.

Topics: Stone Age; Mesopotamia; Aegean Art; Ancient Egypt; Ancient Greece; Roman Art; Christian Art; Renaissance and Mannerism; The 17th – 18th Century Art; The 19th Century Art; The 20th Century Art; Contemporary Art.

DSGN6166 – EASTERN ART REVIEW (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify works of art based on its visual characteristic and historical periods; Explain works of art based on its belief systems and cultural development; Produce a critical analysis of interpreting works of art in form, content and context structure.

Topics: Introduction; India; China; Japan; Southeast Asia; Museum/Gallery Visit; Indonesia.

DSGN6180 – DESIGN METHODS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of design method for visual communication design; Explain basic concepts of design research and method for visual communication design; Analyze design problems and possible solution in visual communication design through integrated design research and method; Propose strong and applicable concept of design solutions through integrated design research and method for visual communication design project.

Topics: Introduction to visual communication design method; Visual communication design method and process; Introduction to Visual communication design research; Visual communication design research and method; Quantitative

research approach; Qualitative research approach; Academic writing & writing research proposal; Define; establishing what the problem is; Research; Collecting background information; Ideation; Creating potential solutions; Prototype; Resolving solutions; Implement and Evaluation; Writing Design proposal.

DSGN6186 - SENSE OF DESIGN (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Reproduce abstract design which composing 2d and 3d object using principles and elements of design; Give examples of different design composition that consists of variety of shapes and forms; Apply elements and principles of design on various design concepts, forms and spaces.

Topics: Basic Design; Design Composition; Pattern Language; Spatial Design; Material Exploration; Design Exploration.

DSGN6191 – PHOTOGRAPHY I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize photographic equipment and its use; Produce a good photo with the right photography techniques; Produce basic techniques in photography.

Topics: Introduction; Basic operation; Exposure; Basic Composition; Light; Photography Techniques; Speedlight; Project.

DSGN6193 - INTERIOR DRAWING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the element of Design; Apply one and two point perspective drawing; Combine different material in rendering perspective drawing; Prepare perspective drawing for interior project presentation.

Topics: Basic Elements of Design; Interior Shape and Space; Geometrical Shape; One Point Perspective; Two Point Perspective; Prepare Perspective Drawing for Interior Project Presentation.

DSGN6194 - INTERIOR DESIGN I: RESIDENTIAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic knowledge of residential; Apply the theory into design process; Analyze the design process and space programming; Construct the design concept based on the function and aesthetic; Choose the right design element based on the design concept for the design outcome.

Topics: Basic knowledge of residential; Data collection and analysis; Design process and programming; Technical drawing; Project presentation.

DSGN6195 - FURNITURE DESIGN I: RESIDENTIAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the basic knowledge of furniture design; Relate shape and furniture detail by learning from history; Integrate theory and woodworking technique; Apply appropriate material and relevant design technique.

Topics: Basic furniture knowledge; History of furniture design; Basic Joint; Basic Joint (Workshop Furniture – Anggrek Campus, BINUS UNIVERSITY); Material Knowledge (Workshop Furniture – Anggrek Campus, BINUS UNIVERSITY); Material Knowledge; Basic drawing for Furniture; Furniture Studio (Workshop Furniture – Anggrek Campus, BINUS UNIVERSITY).

DSGN6196 - INTERIOR DESIGN II: RETAIL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic knowledge of retail space; Apply the basic theory into design process; Analyze the design process and space programming; Construct the design concept based on the function and aesthetic; Design the right element based on the concept for the retail design outcome.

Topics: Basic knowledge of Retail; Data Collection and Analysis; Design Process and Programming; Technical drawing; Project Presentation.

DSGN6197 - FURNITURE DESIGN II : RETAIL (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe basic knowledge of retail space; Apply the basic theory into design process; Analyze the design process and space programming; Construct the design concept based on the function and aesthetic; Design the right element based on the concept for the retail design outcome.

Topics: Basic Knowledge of Retail; Data Collection and Analysis; Design Process and Programming; Technical Drawing; Project Presentation.

DSGN6198 - COMPUTER 2D DRAWING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create two-dimensional objects completely; Compute AutoCAD drawing tools for two-dimensional Interior drawing project; Produce AutoCAD drawing two-dimensional Interior drawing project Accurately.

Topics: AutoCAD interface; Basic Drawing Tools; 2D Drawing Skill; Modifying 2D Object; 2D editing tools in AutoCAD; Manipulating 2D object; Dimensioning; Hatching Object; Text and Annotating; Drawing Organization; Block & Insert Object; Furniture Project Drafting; Interior Project Drafting; Plotting Drawing.

DSGN6199 - INTERIOR DESIGN III: OFFICE (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the process of designing office; Apply the theory into design process; Analyze the design process and space programming; Construct the design concept based on the function and aesthetic; Choose the right design element based on the design concept for the design outcome.

Topics: Basic Knowledge of Office Space; Data Collection & Analysis; Design Process & Programming; Technical Drawings; Presentation Drawings.

DSGN6200 - COMPUTER 3D DRAWING FOR INTERIOR (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create three-dimensional objects from two-dimensional objects; Modify 3 dimensional object by utilizing existing shape; Perform computer three-dimensional tools that can be used for an interior visualization and presentation.

Topics: Drawing in 3 Dimension; Creating 3D Surface; Editing command in 3D drawing; Creating 3D solid; Modify & Solid Editing; Mesh & solid Modelling; Creating components; modify components; Material and texture; Lighting and shadow; Printing/ Plotting & saving with 3D Model.

DSGN6201 - ERGONOMIC AND ANTHROPOMETRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic concepts of anthropometrics and Ergonomic in design; Explain the human need and human capacity according to design; Practice the application of ergonomic in furniture and interior design planning.

Topics: Introduction of Ergonomics; Introduction of Anthropometric; Principles and practices of Anthropometrics; Using Anthropometric Data; Fundamentals of Seating; Ergonomic in the Home; Ergonomic in the Office.

DSGN6203 - LIGHTING DESIGN FOR COMMERCIAL & HOSPITALITY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Hypothesize the characteristic, advantages and disadvantages of natural and various artificial light sources and lighting techniques; Explain how size and watts are expressed in the various types of artificial light sources and compare various light technologies based on efficiency; Combine knowledge of the colour rendering index, and the Kelvin ratings of the various types of lighting sources; Design from the various lighting luminaries for a specific design goal, and explain and justify selection process.

Topics: Introduction; Lighting Source and Type; Solar System; Lighting Device and Controls; Properties of Natural and Artificial Lights; Theoretical and Experiences; Human Visual Perceptions; Visual Communications of Lights; Hotel, Restaurant & Cafe; Hospital, Health & Sport; Office & School; Museums & Culture; Theatre, Entertainment & Airport.

DSGN6204 - INTERIOR DESIGN IV: COMMERCIAL AND HOSPITALITY PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe definition of hotel; Apply the theory of designing hotel; Analyze the collected data; Construct the design concept based on the space function and necessity; Execute the right design element for the design outcome.

Topics: Basic Principles of Hotel; Data Survey : Literature & User; Hotel Data Survey; Hotel Collected Data Survey Analysis; Hotel Collected Data Survey Analysis Presentation; Space Programming and Space Analysis; Space Adjacency and Bubble Diagram; Design Concept; Zoning Study and Analysis; Grouping Study and Analysis; Layout Study and Analysis; Floor and Wall Plan; Ceiling Plan; Sections; Elevations; Interior Perspectives & Models; Colour and Material Scheme.

DSGN6205 - COMPUTER 3D INTERIOR RENDERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Compute form objects curve, surface and solid objects; Create Interior and furniture component objects with tools in software; Apply texture, lighting & material to support realistic rendering for interior 3 dimension preference; Propose business project for Interior plan using business model framework.

Topics: Exploring the Interface; Creating & editing primitive objects; Drawing and Editing 2D; Modeling with polygons; AEC objects; Creating Customer Profiles of Interior Design Field; Who are Our Next 10 Customers?; Modify & Modelling 3D Objects; High Specifications in of Interior Design Field; Quantifying the Value Propositions in of Interior Design Field; Where is Your Positions? (Chart Competitive Position); Designing Business Model of of Interior Design Field; Enhancing models with Materials; Lighting and shadow; Setting 3D camera; Interior Rendering.

DSGN6206 - VISUAL MERCHANDISING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the basic knowledge of Visual Merchandising; Classify theory types of display and display setting; Integrate concepts theory and principles design application; Apply appropriate material and relevant display technique.

Topics: Introduction to visual merchandising; Types of display; Fundamental concepts and principles design application; Display Techniques; Modular fixtures and systems; Exhibit and Trade Show Display; Planning project designing POP or KIOSK display; Career Opportunities in visual merchandising.

DSGN6207 - INTERIOR DESIGN HISTORY, CULTURE AND AESTHETIC (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the definition of aesthetics and its development periodically; Describe various aesthetic figures and characteristics within interior design context; Differentiate interior characteristics and styles from various period; Evaluate interior styles of various period from the cultural concepts, characteristics and aesthetics perspective.

Topics: Introduction to the Fundamentals of Aesthetics Understanding; Understanding Aesthetic Value and Factors in Interior Design; Combination between Aesthetics and Function; Aesthetic of Interior Design and its Period Styles; Renaissance, Baroque and Rococo; Neoclassical, Victorian; Early Modern Design: Arts and Crafts and Art Nouveau; Modern Design : De Stijl, Bauhaus and Art Deco; Contemporary Design; Indonesian Aesthetics.

DSGN6208 - INTERIOR FORECASTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify concept value and proposition; Recognize design thinking skills and customer insight; Apply design concept models.

Topics: Value Proposition Introduction; Value Proposition – Mapping; Design Thinking skills; Experimentation skills; What is Design Process?; Design Idea 1 – design knowledge; Design Idea 2 – understanding customers; Design Idea 3; What is concept?; Concept & Ideas possibilities; Concept : Test and repeat; Presentation of Final Project.

DSGN6209 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Perform professional appearance and behaviour as a designer; Experiment interior design process in industry; Prepare design presentation.

Topics: Introduction to Internship; Company Profile.

DSGN6210 - DESIGN IDEATION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Perform professional appearance and behaviour as a designer; Experiment interior design process in industry; Prepare design presentation.

Topics: Data collection; Data Research; Data brainstorming.

DSGN6211 - DESIGN PROFESSION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Perform professional appearance and behaviour as a designer; Experiment interior design process in industry; Prepare design presentation.

Topics: Concept development; Design progress

DSGN6213 - PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create the design solution; Develop Design concept; Evaluate design process in interior industry.

Topics: Current issues in working environment.

DSGN6214 - DESIGN APPLIED IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create the design solution; Develop Design concept; Evaluate design process in interior industry.

Topics: Site visit; Subcontracting and custom work

DSGN6215 - DESIGN PROCESS IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create the design solution; Develop Design concept; Evaluate design process in interior industry Concept execution.

Topics: Concept execution

DSGN6216 - TEAM WORK ACTIVITY IN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create the design solution; Develop Design concept; Evaluate design process in interior industry.

Topics: Team coordination

DSGN6217 - FURNITURE DESIGN III: OFFICE (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the purpose of chair designing and factors; Define style and detailing; Differentiate materials and techniques; Apply function, shape and technique to the design –studio; Practice in the workshop; Integrate chair design to the interior.

Topics: Introduction to Seating Facilities; Data Collection; Design Concept; Design Exploration; Design Development; Furniture Technical Drawing; Prototype Production; Design Evaluation; Presentation.

DSGN6218 - COMPUTER 3D DRAWING FOR FURNITURE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create from two-dimensional objects became three-dimensional objects; Modify object 3 dimension by utilizing existing shape; Perform computer three-dimensional tools that can be used for an interior visualization and presentation.

Topics: Drawing in 3 Dimension; Creating 3D surface; Editing command in 3D; Creating 3D solid; Modify & Solid Editing; Mesh & solid Modelling; Creating components; Modify components; Material and texture; Lighting and shadow; Printing/Plotting & saving with 3D Model.

DSGN6219 - FINISHING AND FURNITURE KNOWLEDGE I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Select the right material finishing techniques based on material's character; Explain characters of furniture's material; Apply knowledge of material character and finishing techniques on projects.

Topics: Introduction to Material & Finishing Furniture 1; Stones - Characters & Finishing Techniques; Woods - Characters & Finishing Techniques; Metals - Characters & Finishing Techniques; Polymers - Characters & Finishing Techniques; Soft Furnishing.

DSGN6220 - FURNITURE DESIGN IV: COMMERCIAL AND HOSPITALITY PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify design problem or opportunity in interior space; Apply data and design requirements to the design ideation; Construct the design ideas based on function, necessity and requirement; Integrate the design with the interior of the space.

Topics: Basic Knowledge of Commercial & Hospitality Interior Space; Data Survey : Activities & Facilities; Data Survey Analysis; Design Research; Design Development 1; Design Development 2; Design Development 3; Design Production 1; Design Production 2; Design Production 3; Design Implementation; Final Design Presentation.

DSGN6221 - COMPUTER 3D FURNITURE RENDERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Produce form objects curve, surface and solid objects with tools in software; Create components furniture with tools in software complete with texture material; Propose business project for furniture plan using business model framework.

Topics: Interface Rhinoceros program; Organize Rhino objects; Rhino's basic operation methods; Rhinoceros constructing and manipulating methods; Rhinoceros NURBS Surface Modeling; Rhinoceros NURBS Surface Manipulation; Rhinoceros Polysurfaces and Solids; Modeling Object; The Customer Profile of Interior Design; Who are Our Next 10 Customers?; Drafting with rhinoceros; High Specifications in of Interior Design Business; Quantifying the Value Propositions in of Interior Design Prods/Services; Where is Your Positions? (Chart Competitive Position); Designing Business Model of Interior Design Business; Rendering Vray for Rhinoceros; Modeling Project.

DSGN6222 – PHOTOGRAPHY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize photography problems and techniques; Use camera and lighting in photography; Design the final photography project of visual communication.

Topics: History of Photography; SLR Cameras Usage; Basic Techniques of Photography; Outdoor Shooting Practice; Composition and Aesthetic Aspect; Digital Black & White Photography; 6 Lighting Quality; Advanced Composition

Techniques; Preparation and Briefing Final Project; Night Shooting Technique; Special Effects Techniques; World of Photography These Day; Presentation of Final Project.

DSGN6224 - FURNITURE FORECASTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify product value and proposition; Examine design thinking process and customer insights; Propose a prototype models.

Topics: Value Proposition Canvas – Introduction; Value Proposition – Mapping; Design Thinking skills; Experimentation skills; What is Design Process?; Design Idea 1 – design knowledge; Design Idea 2 – understanding customers; Design Idea 3 – prototype exploration; What Is Prototype?; Prototype: Possibilities; Prototype: Test and Repeat; Presentation of Final Project.

DSGN6225 - FINISHING AND FURNITURE KNOWLEDGE II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain character of material and material finishing; Choose furniture and accessories based on material character; Experiment various ways of interior furnishing.

Topics: Introduction to Material & Finishing Furniture Knowledge 2; Entryway; Living Space; Dining Space; Sleeping Space; Bathing Space; Working Space.

DSGN6234 - VISUAL COMMUNICATION DESIGN REVIEWS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the origins of animation; Explain the early development of animation; Explain the development of animation in wartime and midcentury; Explain the development of animation in the digital era; Explain the development of animation in the contemporary era.

Topics: Introduction to animation studies; The origins (Animation before film); Experimental era of animated film; Golden age of cartoon animation; Animation in wartime; Television era: The birth of modern animation; Avantgarde animation; Asian animation I; Asian animation II; The digital dawn I; The digital dawn II; The contemporary era of animation I; The contemporary era of animation II.

DSGN6237 - CHARACTER DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the key concept of design character; Apply the character design study for animation; Apply basic character design concept for animation; Define the business model and explain the defined business model.

Topics: Pose sheet; Discover Key Concept; Customer Insight and Market Analysis; Common Style and style examples; Designing : Deconstruct then construct; Stereotypical Male and Female face; Basic Body Construction; Drawing the stereotypical male and female body; Practise Poses Using Construction Line; Product Service Development; Traits and Character Types; Prototyping Product; Brainstorming Sketching; Character Archetypes; Pose Sheets; Evaluating Product Service Prototypes.

DSGN6238 – COMPUTER GRAPHIC I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe kinds of vector imaging problems and techniques; Apply in vector imaging application to solving problems; Plan how to make the right vector imaging solution in the right techniques; Create a visual communication concept in order to make the final vector imaging.

Topics: Vector Introduction in Illustrator CS6; Basic Shapes in Illustrator CS6; Path in Illustrator CS6; Transformation in Illustrator CS6; Pattern & Brushes in Illustrator CS6; Layers in Illustrator CS6; Blending & Shapes in Illustrator CS6; Text in Illustrator CS6; Combining in Illustrator CS6; Effect in Illustrator CS6; Filter in Illustrator CS6; Advanced Tools in Illustrator CS6; Preparing PDF in Illustrator CS6

DSGN6239 - COMPUTER GRAPHIC II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe kinds of pixel imaging problems and techniques; Apply pixel imaging techniques in solving problems; Plan how to make the right pixel imaging solution with the right techniques; Create a visual communication concept in order to make the final pixel imaging.

Topics: Adobe Photoshop CS6 Introduction; Tools & Adjustments in CS6; Brush in CS6; Layer and Channel; Path; Text; Layer Modes and Effects; Filter Effects; Advanced Works in Photoshop CS6; Final Artwork in Photoshop CS6.

DSGN6242 - COPY WRITING (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the role of copywriting in advertising; generate idea through creative thinking in copywriting; Create ads through creative copywriting.

Topics: Introduction to Advertising; Are You a Copywriter?; Effective Copywriting; The Art of Copywriting; The Idea of Copywriting; Wording Strategy; Copywriting in Advertising.

DSGN6243 - DIGITAL ADVERTISING (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define what is digital advertising; Describe the process of digital advertising design; Experiment with the integration of digital advertising into a campaign; Propose business plan and the showcased potential business project, design and evaluate Business Plan.

Topics: Introduction to digital advertising; Digital media and its audience; Who Use Digital Advertising?; Communicating the brand via digital; Who are Our Next 10 Customers?; High Specifications in of Creative Advertising Business; Quantifying the Value Propositions in of Creative Advertising Prods/Services; Where is Your Positions? (Chart Competitive Position); Designing Business Model of Creative Advertising Business; Creativity in Digital advertising; User experience design; User interface design; Integrating the digital media for a campaign.

DSGN6244 - GUEST LECTURER (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the rules, purpose and scope of the course given by moderator; Discuss the problems and the information with group discussion; Rewrite the information in report writing.

Topics: Internal (introduction for advertising program and proposed); External Guest Lecturing 01 (Account Director or Strategic Planner) 'AGENCY & CLIENT SIDE'; Internal Guest Lecturing 01 'ADVERTISING CAMPAIGN'; External Guest Lecturing 02 (Account Director or Strategic Planner) 'ADVERTISING BRIEF'; Internal Guest Lecturing 02 'ADVERTISING CAMPAIGN'; External Guest Lecturing 03 (Creative Director or Art Director) 'DEFINE INSIGHT TO BUILD THE IDEA'; External Guest Lecturing 04 (Creative Digital) 'DIGITAL ADVERTISING & ACTIVATION'; Internal Guest Lecturing 03 'BRAND IN ADVERTISING'; External Guest Lecturing 05 (Creative Digital) 'DIGITAL ADVERTISING & ACTIVATION'.

DSGN6261 - PRESENTATION TECHNIQUES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Reproduce rendering techniques for interior presentation; Change tools and media for different rendering techniques; Apply rendering techniques for selected interior design project.

Topics: Rendering, material and media; Rendering as illumination; Texture, pattern and material qualities; Rendering perspective drawing; Watercolour techniques; Pencil techniques; Marker techniques; Mix media techniques.

DSGN6263 - DESIGN METHODS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic concepts and approaches of design; Demonstrate key concepts and approaches of design; Analyze general design problems within particular context; Generate design solution based on conceptual approaches.

Topics: Understanding Design; Functional Approach 1; Functional Approach 2; Experimental Approach 1; Experimental Approach 2; Meaning & Interpretation 1; Meaning & Interpretation 2; The Design Process 1; The Design Process 2; The Design Process 3; The Design Process 4; The Design Process 5; The Design Proposal.

DSGN6265 - VISUAL COMMUNICATION DESIGN II (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain graphic design basic principles in a layout; Apply graphic design basic principles in a good, effective, and aesthetic layout; Design a systemic and structurally layout in various formats of the media.

Topics: Introduction to Layout; Graphic Design Principles; Hierarchy in Layout; Developing the Grid; Gestalt in Graphic Design; From Concept to Visual; The Use and Characteristics of the Media; Editorial Design; Playing with Size and Format; Working with Experimental Grid.

DSGN6272 – PRODUCTION AND POST PRODUCTION EXPERIENCE IN VISUAL COMMUNICATION DESIGN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: develop work flow system in a real project; lead animation project based on industrial standard; generate idea in animation works project.

Topics: Report Writing And Presentation.

DSGN6274 - PROJECT ON INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the creative brief problems, purpose and scope of projects, basic theories and concept of designs; Analyze problem based on the gathered data; Create a design solution of the problems

Topics: Work place and rules discussion (selected appropriate work places); Data Gathering (history of the company, vision and mission, organization structure, workflow); Data review and discuss the report writing; Design review and report writing approval

DSGN6276 – EES IN PRODUCTION AND POST PRODUCTION EXPERIENCE (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: demonstrate good team work in production team; lead production team in real work flow in animation industry.

Topics: Report writing.

DSGN6283 - ANIMATION PRODUCTION STUDY (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify How to plan an animation; Breakdown Directing for animation; Apply Character to life; Demonstrate Animation Production Pipeline.

Topics: Introduction: Animation Process Pipeline; The Dramatic Structure of Stories; Theory of Storytelling; The Laws of Animation; Develop story with animation; Animation production 01; Animation Production 02; Animation production 03; Animation Production 04; Post Production 01; Post production 02; Animator's Eye; Review and Presentation.

DSGN6285 - IDEATION AND ART DIRECTION (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain how idea in advertising purposed; Apply the creative thinking process to generate ideas trough brain storming and exercises; Create ads trough comprehensive art direction.

Topics: Introduction to Idea; How did creative department work?; Understanding The Brief; Creative Thinking; The Big Idea; Creative Approach; Art Direction; Creative Presentation.

DSGN6287 - VISUAL COMMUNICATION DESIGN REVIEWS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Summarise key ideas within the history of visual communication design; Distinguish one design from another based on their respective historical ideas and techniques; Interpret historical design ideas and techniques into current practical contexts; Relate design ideas and techniques from different historical contexts.

Topics: Prologue; The Origins 1; The Origins 2; The Origins 3; The Industrial Revolution 1; The Industrial Revolution 2; The Twentieth Century 1; The Twentieth Century 2; The Twentieth Century 3; The Twentieth Century 4; The Twentieth Century 5; The Contemporaries 1; The Contemporaries 2.

DSGN6327 - ILLUSTRATION DESIGN (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the creative process to create good illustration; Choose form of imagery and visual language style to be applied on illustration for certain purpose; Create illustration that communicate the message.

Topics: Introduction; The mechanics of visualizing; The mechanics of communications; The Advertising Brief; Future pathways in illustration.

DSGN6328 - COMPUTER GRAPHIC I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Kinds digital imaging problems and techniques; Describe basic 3D technique for imaging in project; Apply digital imaging application to solving problems; Apply different case in creative animation project.

Topics: Introduction to Digital imaging; GUI and basic tools; Compositing in digital imaging; Introduction in 3D Editor; Basic 3D polygonal modeling 1; Basic 3D polygonal modeling 2; Material, lighting, shading & rendering for basic 3D imaging; Basic Material & UVW Map; Basic Lighting and lighting setup; Basic animation; Basic rendering; Advances Shading, Lighting & Rendering; Output media file, movie, still image, sequence, compressor & Decompressor.

DSGN6329 - COMPUTER GRAPHIC II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use digital sculpting and digital imaging tools; Apply digital sculpting method to create digital imaging; Describe different case in 3D Assets creation for digital imaging; Apply production visual assets using digital imaging with 3D methods.

Topics: Digital Sculpting with Zbrush; Torso Digital sculpting using dynamesh; Masking, selection, trimming; Sculpting Brushes, Materials and Painting; Detailing in digital sculpting; Using Zsphere to create base model; Polypainting; Retopologized, Zremesher & Zsphere to edit topology; Unwrapped UVW map with UV Master; Posing technique using transpose master; Rigging Technique using Zsphere; Digital sculpting Illustration; Lighting, Rendering & Compositing.

DSGN6330 - ILLUSTRATION DESIGN (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use the caricature knowledge in design character application; Describe the human portrait with personality; Explain the definition of caricature.

Topics: Fundamentals; Caricatures; Scenarios and characters; Storytelling.

DSGN6331 - TYPOGRAPHY (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe classification and characteristic of typefaces; Express meaning with typefaces & type composition; Experiment with typographic layout.

Topics: Introduction and Classification of Typo; A Few Basics; Letterforms Analyzed; Modifying Letterforms to Achieve Distinctive Font Style; Legibility; Basic Typographic Layout; Exploring Typographic Layout.

DSGN6332 - CREATIVE PROCESS IN GRAPHIC DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate capability as creative person in certain technical skill; Create in-depth and comprehensive project, using the particular technical skill.

Topics: Introduction to the Trend Competency Concept; About Technical Skill; Technical Skill Review.

DSGN6345 – PRE AND PRODUCTION IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: increase their skill and experience in real animation project; create innovative and original animation works in order to get Intellectual Property Right assets as design mediation in final project.

Topics: Intellectual Property Right (IPR), Creative Idea, Business model Planning.

DSGN6346 – PRE PRODUCTION AND PRODUCTION EXPERIENCE IN VISUAL COMMUNICATION DESIGN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: conducting field research; formulating creative strategy; creating business model for animation product; research trend related to visual communication issues and market needs.

Topics: Report writing and presentation.

DSGN6347 - EES IN PRE PRODUCTION AND PRODUCTION EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: creating work scheme; develop production planning; apply technology in creating animation product.

Topics: Report writing.

DSGN6365 - PORTFOLIO PRESENTATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic knowledge of portfolio presentation techniques; Give examples the various visual presentation, business strategy and entrepreneurship skills; Demonstrate the usage of communication skills and Portfolio presentation; Propose the potential showcase business project.

Topics: Design Process; Basic knowledge of design Process and basic programming; Customer Insight and Market Analysis; Business Environment; Visual Presentation Techniques; Graphic design composition; Prototyping Product; Product/Service Development; Portfolio and Resume; Evaluating Product/Services; Public speaking and design communication.

DSGN6380 - SELF MANAGEMENT IN INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Perform professional appearance and behaviour as a designer; Experiment interior design process in industry; Prepare design presentation.

Topics: Active listening & cultural differences; Time management & work responsibilities; Workplace relationship and networking.

DSGN6479 - PRODUCTION AND POST PRODUCTION IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: exposure real experiment in animation works production in industry; contribute in production and post-production in animation works industry.

Topics: Animation Works Production; Collaboration Study; Industrial Experience.

DSGN6485 - EES IN GRAPHIC DESIGN PROCESS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design review by NGO; Student submit Research Proposal to Dikti.

Topics: Exhibition; Internship I report writing approval.

DSGN6486 - CREATIVE PROCESS IN CREATIVE INDUSTRY EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate capability as creative person in certain technical skill; Create in-depth and comprehensive project, using the particular technical skill.

Topics: Introduction to the Trend Competency Concept; About Technical Skill; Technical Skill Review.

DSGN6487 - EES IN CREATIVE INDUSTRY EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design review by Industry; Student submit Final Project Proposal.

Topics: Internship II report writing approval; Dissemination (selected by Program).

DSGN6488 - INTERNSHIP IN VISUAL COMMUNICATION DESIGN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the problem from the creative briefs; Classify the campaign programs related with visual strategies; Apply creative campaign principles and communication strategies for creative works; Design a series of visual brand campaign design works in a structured and integrated.

Topics: Introduction to Brand Campaign; Data Gathering; Data Analysis & Conclusion; Identify the Issues & Objective of the Campaign; Communication strategy; Concept Review; Design Strategy; Design Process; Design Implementation; Visual Review.

DSGN6489 – TECHNICAL EXPERIENCE IN VISUAL COMMUNICATION DESIGN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the role of modern advertising; Design the relation between brand, consumer and promotion; Analyze market knowledge into the advertising campaign development; Demonstrate team work and collaboration capability as a creative person; Create in-depth and comprehensive creative concepts; Appraise appropriate and effective communication tools.

Topics: Introduction to the Creative Team; Introduction to the Clients; How Advertising Work; About Product & Brand; Introduction to the Consumers; About Media; About Production; Campaign Development.

DSGN6490 – EES IN VISUAL COMMUNICATION DESIGN INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Collaborate in a creative teamwork, play role as a junior Art Director shadowing by an Art Director.

Topics: Hierarchy of team works, intern position, job desk, kind of contribute or participate on project, process report by write/ photo/ video.

DSGN6491 - INTERNSHIP IN CREATIVE INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Choose the concern issues they will be appointed as a potential topic, Identify the problem and write down as the creative briefs; Classify the data research related with design strategies; 'Design Initiative' and prototype, Design presentation for the share holder to support 'Design Initiative', Release 'Design Initiative' as a brand or social issues.

Topics: Introduction to Brand & Social campaign; Data Gathering; Data Analysis & Conclusion; Identify the Issues & Objective of the Campaign; Communication strategy; Concept Review; Design Strategy; Design Process; Design Implementation; Design Review.

DSGN6492 – TECHNICAL EXPERIENCE IN CREATIVE INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the role of social marketing; Design the relation between brand, consumer and social issues; Analyze market knowledge into the 'Design Initiative' development; Demonstrate team work and collaboration capability as a creative person; Create in-depth and comprehensive creative concepts; Appraise appropriate and effective communication tools.

Topics: Introduction to the Creative Team; Introduction to the 'Design Initiative'; Design for Public; About Product & Brand; Introduction to the Cluster Consumers; About Media; About Production; Campaign Development.

DSGN6493 – EES IN CREATIVE INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Collaborate in a creative teamwork, play role as a Initiator Designer.

Topics: Hierarchy of team works; Intern position; Job desk; Kind of contribute or participate on project; Process report by write/ photo/ video.

DSGN6553 - PROJECT ON CREATIVE INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the problem from the creative briefs; Classify the campaign programs related with visual strategies; Apply creative campaign principles and communication strategies for creative works; Design a series of visual social campaign design works in a structured and integrated.

Topics: Introduction to Social Campaign; Data Gathering; Data Analysis & Conclusion; Identify the Issues & Objective of the Campaign; Communication strategy; Concept Review; Design Strategy; Design Process; Design Implementation; Visual Review.

DSGN6591 - THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the research problems, purpose, and scope of research, basic theories and concept of designs; Analyze the problems, gather, and compile data; Create a design solution of the problems.

Topics: Topics discussion (selected three proposal topics); Data Gathering; Data review and discuss the problem; Concept development; Concept Review (100% of chapter 1-3 submitted and individual presentation); Visualizing the idea 1; Visualizing the idea 2; Visualizing the idea 3, media selection, and theories review; Visualizing the idea 4, media selection, and theories review; Visualizing the idea 5, media selection and theories review; 75% of chapter 4 and 5 submitted and discussion; Visual Review (100% of chapter 4 and 5 submitted and individual presentation); Final Project approval.

DSGN6592 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the research problems, purpose and scope of research, basic theories and concept of designs; Analyze the problems, gather and compile data; Create a design solution of the problems.

Topics: Topics discussion (selected three proposal topics); Data Gathering; Data review and discuss the problem; Concept development; Concept Review (100% of chapter 1-3 submitted and individual presentation); Visualizing the idea; Visualizing the idea 2; Visualizing the idea 3 media selection and theories review; Visualizing the idea 4 media selection and theories review; Visualizing the idea 5 media selection and theories review; 75% of chapter 4 and 5 submitted and discussion; Visual Review (100% of chapter 4 and 5 submitted and individual presentation); Final Project approval.

DSGN6593 - THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the research problems, purpose, and scope of research, basic theories and concept of designs (message, story, visual & animation); Analyze the problems, gather, and compile data; Create design solution of the problems for pre production, production & post production in animation product.

Topics: Topics discussion (selected proposal topics); Data Gathering; Data Gathering & Analysis for Pre-Production, Production & Post Production; Concept Review; Visualizing the idea (visual asset) 1; Visualizing the idea (visual asset) 2; Visualizing the idea (visual asset) 3; Visual & Story Review; Production 1; Production 2; Production 3; Production Review; Final Project Approval.

DSGN6594 – THESIS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify interior problems in final project; Propose interior design concept based on the project; Plan interior design for final project; Assemble the local content /green design/sustainability in final project; Produce interior drawing for technical and presentation purposes.

Topics: Final Project Guidelines; Paper assessment; Evaluation I: Completion working drawing; Evaluation II: Presentation Design assessment.

DSGN7085 - TYPOGRAPHY II (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Depict typographic form-space in amplifying messages; Manipulate typographic form-space in its dynamic relationship with content; Relate typographic form-space to function and expression.

Topics: Typographic Communication 1; Typographic Communication 2; Syntax in Typographic Communication 1; Syntax in Typographic Communication 2; Function & Expression of Typefaces 1; Function & Expression of Typefaces 2; Function & Expression of Typefaces 3.

DSGN7107 – VISUAL COMMUNICATION DESIGN I (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the problem and find how to solve creatively; Apply graphic design basic principles for creative works; Classify the graphic style and relate with the graphic design works.

Topics: Brainstorming; Self Visual Expression; Metaphor; Visual Sequence; Graphic Style.

DSGN7115 – VISUAL COMMUNICATION DESIGN II (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Animation Principles; Translate Classical Animation Principles into 3D Animation; Choose Animation Principles for animation shot; Create Animation Shot or Scene with Animation Principles.

Topics: Introducing to Animation; Key & Inbetween; Timing and Motion; Follow Through and Overlapping Action; Anticipation & Secondary Action; Pose to Pose & Straight Ahead; Appeal & Personality; Exaggeration & Applying Pose to Movement; Walk Cycle; Walkcycle with Personality; Runs & Jumps; Introduction to Acting; Production.

DSGN7126 – GUEST LECTURER (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the rules, purpose and scope of the course given by moderator; Discuss the problems and the information with group discussion; Rewrite the information in report writing.

Topics: Course rules discussion (conducted by moderator); Internal guest lecturer (Binus Career); Internal guest lecturer (Binus); External guest lecturer.

DSGN7132 – PHOTOGRAPHY I (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Recognize photography problems and techniques; Use camera and lighting in photography; Design the final photography project of visual communication.

Topics: History of Photography; SLR Cameras Usage; Basic Techniques of Photography; Outdoor Shooting Practice; Composition and Aesthetic Aspect; Digital Black & White Photography; 6 Lighting Quality; Advanced Composition Techniques; Preparation and Briefing Final Project; Night Shooting Technique; Special Effects Techniques; World of Photography These day; Presentation of Final Project.

DSGN7133 – PHOTOGRAPHY II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate Recognise photography problems and techniques; Evaluate Use camera and lighting in studio photography; Evaluate Design the final studio photography project of visual communication.

Topics: The Introduction of Photographic Equipment in the Studio; Introduction of Basic Lighting with the Main Light (for 1-2 point lighting); Introduction of Lighting Accessories (3 points lightings); Basic Introduction to Shooting Models (Portraiture); Lighting the Basis for the Portrait; Hollywood Glamour Photography; Clamshell Lighting; Basic Still Life Photography; Still-Life Photography Advanced; Still Life-Product Shot (continued); Applying Special Techniques for General Products; Advertising Photography; Presentation of Campaign Advertising (Final Project).

DSGN7138 – DRAWING I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the perspective views drawing; Explain the human figure in ideal proportion; Use drawing knowledge in drawing application; Create draw that has an element of motion and gesture.

Topics: One point perspective view; Fundamental of drawing; Basic Perspective; Two Points Perspective View; Perspective Views from Observed Reality; Human Proportion; Human figure.

DSGN7139 – DRAWING II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the human figure drawing; Describe the human figure in gesture drawing; Use human figure drawing knowledge in drawing application; Creat draw that has the good story telling.

Topics: Human Figure anatomy; Human Figure Pose; Human Figure Pose and Motion; Sequential Drawing and Inbetweening; Animal Drawing.

DSGN7241 - GRAPHIC REPRODUCTION METHODS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Choose the right steps to prepare printed materials; Apply the basics of printing techniques; Combine the process graphic reproduction methods; Create reference to print with standard techniques; Define the business model and the business process and propose a project for a company.

Topics: Printmaking introduction; Relief printing; Market Segment – Persona; Relief Printing Methods; Relief Printing Technique; Ideation; Intaglio Printmaking 1; Intaglio Printmaking 2; Visual Thinking; Prototyping the Business; Story Telling;

Scenarios in Business; Screen Printing Reference (Manual); Screen Printing Reference (Digital); Screen Printing Emulsion Exposure; Screen Printing Technique; Multicolor Screen Printing; Offset Printing; Final Artwork for Offset Printing.

DSGN7267 - GRAPHIC REPRODUCTION METHODS I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the business model and explain the defined business model; Choose the right steps to prepare printed materials; Create reference to print with standard techniques; Apply the basics of printing techniques.

Topics: History and scope of the process of printing; Market Segment; Ideation; Visual Thinking; Relief print techniques; Prototyping; Printed edition; Story Telling; Creating Scenarios; Relief print technique types; Relief print method classification; Relief print media exploration techniques; Engraving technique principles; Work in print media process; Screen Printing technique principles; Screen printing technique to print.

DSGN7269 - GRAPHIC REPRODUCTION METHODS II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Choose the right steps to prepare printed materials; Create reference to print with standard techniques; Apply the basics of printing techniques; Calculate the needs of print production costs properly; Propose business plan and the showcased potential business project, design and evaluate Business Plan.

Topics: Screen printing reference application; New Media Business Customer Profiles; Screen printing technique to print; Who are Our Next 10 Customers?; Variety of Screen Printing Processes; Making a polychromatic print; High Specifications in of New Media Business; Final Artwork for offset printing; Color Management; Quantifying the Value Propositions in of New Media Prods/Services; Various types of offset machines; Where is Your Positions? (Chart Competitive Position); Various types of paper; The Art of Finishing; Knowledge and Efficiency; Designing Business Model of New Media Business; Calculation of printing costs.

DSGN7284 - VISUAL COMMUNICATION DESIGN III (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design the system integration of brand; Apply the identity system to branding activities and communication; Rearrange the preparation stages of building the organization's image, value, categories, symbols and impressions caused; Recommend to the client through comprehensive presentation or exhibition; Propose business plan and the showcased potential business project, design and evaluate Business Plan.

Topics: Brainstorming; Basic principle in creative storytelling; Creating Customer Profiles; Ideas, Scripts, and Storyboards; Character; Who are Our Next 10 Customers?; Animation Film Structure; Animation production; High Specifications in the Business; Animation Techniques; Performance in Animation; Staging; Quantifying the Value Propositions in the Business; Voice Over & Music Scoring; Production Concept; Where is Your Positions? (Chart Competitive Position); Post Production in Animation; Designing Business Model of the Business; The Purpose of Visual Communication.

DSGN7286 - VISUAL COMMUNICATION DESIGN III (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe brand or product, audience and advertising; Choose media to create Integrated Marketing Communication; Apply to create an Integrated Marketing Communication.

Topics: Understand Brand and Product; Market Situation Toward Brand; Understanding Consumer; Understanding Channel Toward Consumer; Designing Campaign with 360° Communication to Reach the Objective.

DSGN7288 - SURFACE PACKAGING DESIGN (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design packaging that takes into account the benefits of creativity and solutions to community activities; Produce surface packaging design strategic and comprehensive; Relate quality of the creative process with the end result object surface packaging design; Identify the meanings and functions of packaging design objects; Explain the meanings and functions of packaging design objects.

Topics: Introduction Definition, Benefits, Packaging Design and Format; The Introduction of the Concept of Identity Packaging Design; Role of Packaging in Marketing Design and Corporate Identity Formation/Corporate; The process of Creative Thinking in Packaging Design; Definition and Role of Research in Packaging Design; Definition and Implementation Strategies in Packaging Design; Definition and Role of Visualization in Packaging Design; Role of Structural Design in Packaging Design; Study of the Role of Branding Packaging Design; Study the role of Extension/Extensions Product & Brand (Product & Brand Extension) in packaging design; Relationship between Interaction Design Packaging and Brand Experience (Brand Experience); Role of Creativity Manufacture Strategies and Concepts in Designing Packaging; Packaging Design as a Solution to Problems of Today's Society.

DSGN7289 – VISUAL COMMUNICATION DESIGN III (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Designing the system integration of brand identity with the concept; Apply the brand identity system to every subject according the goal; Rearrange the preparation stages of building the organization's image, categories, symbols and impressions caused according the concept; Identify the image and brand identity system with the concept; Explain the concept planning of image and brand identity system.

Topics: The Introduction and History of Branding; Image and Brand Identity, and the Response Generated Target Market/Audience; Indication of the Importance of Brand Identity Program and the Kinds of Categories of Symbols; The Basics in the Selection of Names; The Terms of Brand Brief; Phase I: Analysis; Phase II: Design Exploration 1; Phase II: Design Exploration 2; Phase II: Design Exploration 3; Phase II: Design Exploration 4; Phase III: Completion Design; Phase IV: Implementation 1; Phase IV: Implementation 2.

DSGN7324 – COMPUTER GRAPHIC I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe kinds of vector imaging problems and techniques; Apply in vector imaging application to solving problems; Plan how to make the right vector imaging solution in the right techniques; Create a visual communication concept in order to make the final vector imaging.

Topics: Vector Introduction in Illustrator CS6; Basic Shapes in Illustrator CS6; Path in Illustrator CS6; Transformation in Illustrator CS6; Pattern & Brushes in Illustrator CS6; Layers in Illustrator CS6; Text in Illustrator CS6; Effect & Filter in Illustrator; Advanced Tools in Illustrator; Basic Tools in Indesign; Vector & Raster in Indesign CS6; Layout in Indesign CS6; ePublishing in Indesign CS6

DSGN7325 – COMPUTER GRAPHIC II (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe kinds of pixel imaging problems and techniques; Plan how to make the right pixel imaging solution in the right techniques; Apply in pixel imaging application in problems solving; Create a visual communication concept in order to make the final pixel imaging.

Topics: Introduction in Adobe Photoshop CS6; Working with Selection and Layers; Enhancing, Correcting and Retouching Images; Working With Path and Channels; Masking in Adobe Photoshop CS6; Making Transformations; Brush in Adobe Photoshop CS6; Advanced Works; Applying Filters & Effects; Text Effects; Advanced Compositing; Final Artwork.

DSGN7326 – ILLUSTRATION DESIGN (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate demonstrate the creative process to create good illustration; Apply choose form of imagery and visual language style to be applied on illustration for certain purpose; Apply create illustration that communicate the message; Apply create illustration that combining traditional technique with digital media.

Topics: Fundamentals of Illustration; Visual Metaphor I; Visual Metaphor II; Literal Representation I; Literal Representation II; Sequential Imagery.

DSGN8106 – TYPOGRAPHY III (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe basic problems in typographic design; Demonstrate typographic methods in structuring pages; Discover various possible relation of type-image-space; Construct cohesive structure of type-image-space.

Topics: Defining Typographic Design Problems; Typographic Design 1: Low Complexity; Typographic Design 2: Medium Complexity; Typographic Design 3: High Complexity.

SUBJECT AREA: ECON**ECON6005 – MICROECONOMICS (4 Credits)**

Learning Outcomes: On successful completion of this course, students will be able to: Identify themes of microeconomics and market; Explain producers, consumer and competitive markets; Differentiate structure conduct and performance market; Calculate production, cost production and equilibrium market; Analyze case according of subject microeconomics theory.

Topics: Introduction to Themes of Microeconomics; The Basic of Supply and Demand; Consumer Behavior; Individual and market demand; Uncertainty and consumer behavior; Production; The cost of production; Profit Maximization; The Analysis of competitive markets; Market Power on Monopoly; Market Power on Monopsony; Pricing with Market Power; Monopolistic and oligopoly competition; Game Theory and Competitive Strategy; Market for factor Inputs; General Equilibrium and Economic Efficiency; Investment, time, and capital markets; Markets with asymmetric information; Externalities and public goods.

ECON6006 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analyze Economic Problem; Calculate Measuring GDP and economic growth as monitoring macroeconomic performance; Combine macroeconomic trends; Estimate macroeconomic Policy; Analyze Macroeconomic fluctuations.

Topics: Thinking like an economist; Ten Principles of Economics; Measuring a Nation's income; Production and Growth; Unemployment and Its Natural Rate; Measuring the cost of living; Production; Growth; Saving, Investment and the Financial System; The basic tools of finance; The Monetary System; Macroeconomic trends : The Exchange Rate and the Balance of Payments; Money Growth and Inflation; Aggregate Supply and Aggregate Demand; The Influence of monetary and fiscal policy on Aggregate Demand; Macroeconomic fluctuations : Expenditure Multipliers: The Keynesian Model; The Short-Run tradeoff between inflation and unemployment; Macroeconomic fluctuations : Business Cycle; Macroeconomic Policy : Fiscal Policy; The Supply Side of Fiscal Policy; Macroeconomic Policy : Monetary Policy; Extraordinary monetary stimulus; Macroeconomic Policy; Open-Economy Macroeconomics : Basic Concepts.

ECON6017 – ECONOMIC THEORY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain basic concept of economic theory; Calculate consumer behavior, producer behavior, and market equilibrium (Microeconomics) and inflation, unemployment, and economic growth (Macroeconomics); Analyze market structures in Microeconomics markets, goods market and financial markets in macroeconomics markets, and economic system and economic crisis.

Topics: The Scope of Microeconomics; Supply, Demand , Market and consumer Behavior; The Production Process and Cost Process; Input Demand: The labor, Land Markets; Structure Market : Perfect Competition, Monopoly, Oligopoly and Monopolistic Competition; Externalities and Asymmetric Information; The Scope of Macroeconomics : Unemployment, Inflation, Growth, and Income Distribution; Aggregate Output; The Government and The Fiscal Policy; The Money Supply and Money Demand and The Monetary Policy; Aggregate Demand in the Goods and Money Markets; Aggregate Supply in the Goods and Money Markets; International Trade and Open-Economy Macroeconomics.

ECON6039 - MANAGERIAL ECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain basic concept of Managerial Economic; Apply economic managerial theory in industry; Use economic managerial model in decision making process.

Topics: Managerial Economic; Demand Theory; Demand Estimation; Production Theory; Cost Behaviour; Elasticity; Market Structure; Market Structure (2); Pricing Strategy; Investment Analysis; Investment Analysis (2); Forecasting; Decision Theory.

ECON6086 - TOURISM ECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define and identify the provision of leisure and tourism determined; Describe economic impacts of leisure and tourism; Apply economics be used to manage leisure and tourism; Analyze economics failed recreation, leisure and tourism.

Topics: Introduction; Recreation, Leisure and Tourism Organizations; The Market for leisure and tourism products; Demand: Time preference, elasticity and forecasting; Supply and costs; Market structure and pricing; Market intervention; The Competitive, technological, political and socio cultural environment; The Economic Environment; Investment Appraisal in the private and the public sector; Income, employment and prices; Economic development and regeneration; The balance of payment and exchange rates; Globalization.

ECON8009 – MANAGERIAL ECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the problem of Nature and Scope of Managerial Economics, Economic Optimization, and also Demand- Supply; Calculate the elements of the problem Demand Analysis and it's Estimation, Production and Cost Analysis, Performance and Strategy in Perfect market and imperfect competition market; Analyze the problem of Forecasting and Case study of forecasting in real life, Compensation Policy, Linear Programming, Game Theory, Pricing Practices , Risk Analysis, Capital Budgeting, Organization Structure; Estimate the problem of Corporate Governance and Government in the Market Economy.

Topics: Nature and Scope of Managerial Economics And Project 1 (Case Study); Economic Optimization; Demand and Supply; Demand Analysis; Demand Estimation; Forecasting and Case study of forecasting in real life; Production Analysis; Compensation Policy; Cost Analysis and Estimation; Linear Programming; Competitive Markets; Performance and Strategy in Competitive Markets; Perfect Market: Monopoly; Imperfect Competition Monopsony; Monopolistic as imperfect competition; Oligopoly Competition as imperfect market and project 2 (Problem Solving at Company); Game Theory; Game Theory and Competitive Strategy; Pricing Practices; Case study of pricing practices; Risk Analysis; Capital Budgeting; Organization Structure; Corporate Governance; Externalities in the Market Economy; Optimal Allocation of Social Resources by Government in the Market Economy.

SUBJECT AREA: EDUC**EDUC6002 - CURRENT ISSUES IN FOREIGN LANGUAGE LEARNING (4 Credits)**

Learning Outcomes: On a successful completion of the course, students would be able to: Discuss and present highlights issues related to teacher training and development, classroom management practices, emerging of technology uses, and language research focusing on learner; Distinguish and examine research procedures related to current issues in foreign language learning discussed in the classroom; Criticize and generalize implications of research findings related to current issues in foreign language learning discussed in the classroom; Demonstrate and present personal mini classroom research on current issues in foreign language learning using personal experiences.

Topics: Highlight issues on Teacher Training and Professional Development; Second Language Acquisition in Pre-Service Teacher Training; Young Learner Learning Styles; Teacher Training and Development; Classroom Discourse in EFL Classroom; Highlights issues on Evidence Based Practice in Classroom Management; Instructional Strategies based on Learner's Need; Intercultural Communication; CLIL Methodology in Science Project; Current Trends on Syllabus design in Foreign Language Instruction; Design of Academic Writing Course; Highlight Issues on Global Trends in Transnational Education; Web-Based Tool for Self Learning Activities in EAP Classroom; Podcasting as Foreign Language Teaching Tool; Developing Community and Active Participation in a Mix Level Language Class via Self Learning Portfolio; Mobile Assisted in Language Learning: Designing for Your Students; Computer Online Version of English Language Portfolio (ELP); Highlight Issues on Teaching English Language Learners Research: What the Research Does and Does Not Say; The Relationship between Orthography and Morphology; Communication Strategies used by Spanish Learners of English; Corpus-based Comparison between English native and Learner's Spoken Data; A learner Corpus Investigation of Filipino L2 English Article use: The way Forward for language Teacher; Cross Cultural Analysis of the Mother Tongue-Based Multilingual Education Policy in Developing Countries; Reflection from Teachers and students on speaking Anxiety in an EFL Classroom; Experiment Study on Language transfer Existence in Pronunciation; Research on Language Learning: How can it respond to classroom Concerns?.

EDUC6009 - PHILOSOPHY OF SCIENCE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to Identify the main philosophers in the topic of Philosophy of Science and their concept to get knowledge; Explain the grouping of philosophers and their concept of knowledge; Apply the thinking logically and critically; Apply to avoid fallacies in thinking and reasoning.

Topics: Introduction; Greek Philosophy (Idealism dan Realisme); Rationalism and empirism; Criticism – Kant; Falsifiability Popper; Positivism Comte; Phenomenology Husserl; Science / paradigm revolution (Kuhn); Hermeneutics (Ricoeur); Postmodernism; Deductive reasoning; Inductive reasoning; Fallacies.

EDUC6010 – CLASS MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the need and strategy to establish the safe and nurturing classroom communities; Identify the diversity of students in terms of special need, and behaviour; Apply the classroom management strategies to lead students to be on-task and engaged in lessons and to handle the off-task students; Design the effective time management, standards of conduct and procedures for classroom routines, and discipline policies.

Topics: Introduction; The Art of Teaching; Some Research of Classroom Management Strategies; Establishing a Favorable Climate for Cooperation; Establishing Cooperative Relationship; Standards for Conduct, Routine Procedures, and Policies; Working with Individual Differences among Students; Conducting and Monitoring Engaging Learning Activities; Approaching Off-Task Behaviors; Modifying Off-Task Behavior Pattern; Dealing with Nondisruptive Off-Task Behaviors; Dealing with Disruptive Behaviors; Building Classroom Management Talents.

EDUC6014 – ICT BASED LEARNING MEDIA (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able: Explain e-learning definitions; Analyze the research in the field of e-learning; Design teaching materials based on e-learning.

Topics: Definition of ICT; Self-Study Versus Virtual Classroom e-Learning; Research on e-Learning Effectiveness; What Makes e-Learning Unique?; Principle and Processes of Learning; What Is Good Research?; Applying Multimedia Principle; Some Ways to Use Graphics to Promote Learning; Development of Teaching Materials for Self-Study Classroom (1); Development of Teaching Materials for Self-Study Classroom (2); Development of Teaching Material for Virtual Classroom (1); Development of Teaching Material for Virtual Classroom (2); Introduction Moodle; Installing and Configuring Moodle; Creating Categories and Courses; Adding Static Course Material; Adding Interactive Course Material; Adding Social Course Material; Features for Teachers; Getting Started with Mathematical Notation; Enhancing Your Math Teaching; SCORM and Flash; Geometry; Math Quizzes; Graph and Charts; Doing More with Math and Science.

EDUC6015 – EDUCATIONAL RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain research's steps; Construct literature review to design research; Explain how to collect, analyze and interpret the data; Explain how to report and evaluate the research; Explain kinds of research's methods; Explain linking action research with education.

Topics: Collecting Qualitative Data; Analyzing and Interpreting Qualitative Data; Introduction to Educational Research; The Steps in the Process of Research; Reviewing the Literature; Finding Web-Based Resources and Using Library Resources; Plagiarism and How to Avoid It; Literature analysis in a qualitative study; Literature analysis in a quantitative study; Specifying a Purpose and Research Questions or Hypotheses; Collecting Quantitative Data; Analyzing and Interpreting Quantitative Data; Reporting and Evaluating Research; The MLA, APA, CMS Systems of Documentation; Experimental Design; Correlational Design; Survey Design; Grounded Theory Design; Ethnographic Design; Narrative Research Design; Mixed Methods Design; Action Research Design; Becoming a Student Teacher-Action Researcher; Living Action Research as A Professional Educator; Action Research from the Inside: a Teacher's Experience; Action Research and Radical Change in Schools .

EDUC6017 - CURRICULUM AND INSTRUCTIONAL DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Recognize theories of curriculum design including foundation, approaches, phases, organization of curriculum; Recognize curriculum change in Indonesia; Identify the step by step of curriculum design; Design a contextual curriculum based on theories.

Topics: Introduction to Curriculum and Instructional Development; Foundation of curriculum; Curriculum approaches; Essential phases of curriculum design; Curriculum organization; Curriculum change in Indonesia; Step 1: Assess need to identify goals (concept); Step 1: Assess need to identify goals (Practice); Step 2: Conduct Instructional Analysis; Step 2: Conduct Instructional Analysis (Practice); Step 3: Analyze learners and contents; Step 3: Analyze learners and contents (Practice); Step 4: Write performance objectives; Step 4: Write performance objectives (Practice); Step 5: Develop assessment instruments; Step 5: Develop assessment instruments (Practice); Step 6: Develop instructional strategies; Step 6: Develop instructional strategies (Practice); Step 7: Develop and select instructional materials; Step 7: Develop and select instructional materials (Practice); Step 8: design and conduct formative evaluation of instruction; Step 8: design and conduct formative evaluation of instruction (Practice); Step 9: Revise instructions; Step 9: Revise instructions – Practice; Step 10: Design and conduct summative evaluation; Curriculum implementation.

EDUC6018 – MICRO TEACHING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Apply appropriate teaching skills based on the level of students; Evaluate their peer teaching; Design the lesson plan for 5 main subjects; Create a list of characteristics of 8 teaching skills for specific subjects.

Topics: Introduction; Teacher's main competences (Pedagogic, personality, social and professional); Develop your social and personality skills; Develop your professional competence (creative lesson plan); Set induction and closure; Explaining skills; Questioning skills; Stimulus variation skills; Reinforcement skills; Classroom management skills; Personal / small group handling skills; Small group discussion skills; Preparation for integrated teaching skills practice (5 RPP documents); Preparation for integrated teaching skills practice (form, group, and simulation); Integrated teaching skills practice.

EDUC6019 – LEARNING EVALUATION AND ASSESSMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify learning evaluation and assessment for elementary level; Design learning evaluation and assessment instrument test for elementary level; Analyze the outcomes of mastery learning; Analyze test item using ICT; Compose feedback, recording and reporting.

Topics: Introduction to the principles of assessment; The Power of an Effective Teacher and Why We Should Assess It; Standards-driven assessment culture; Assessing the progress of pupils in the early years; Assessing pupils with special educational needs; Assessment for Learning; Learning through assessment; Self-and peer assessment, formative and summative assessment; Using observations and mind mapping; Using questioning, explaining, circle time and debates; Reports, role play, posters, learning journals and portfolios; Linking teacher's evaluation and student learning; Taxonomy education and the implementation in evaluation and assessment; Linking primary curriculum with evaluation and assessment; Rule of assessment test item making; Design multiple choice test; Design essay test; Validity, reliability, different potency, and level of difficulty; Analysis the outcomes of mastery learning; Analysis test item; The use of ICT in assessment; Use Microsoft excel upon analyzing test item; Use SPSS upon analyzing test item; Use Iteman upon analyzing test item; Feedback, Recording and Reporting; Assessment in other countries.

EDUC6022 – INTERNSHIP I (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of Internship, apply Internship as Soft Skills for Primary School Students, teach Primary School Students Grades 1-6.

Topics: Teaching Primary Students, Leadership Skills.

EDUC6023 – TEACHING PRIMARY STUDENTS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the characteristics of primary school students, master the pedagogy of primary school students, apply the best practices in teaching primary school students.

Topics: The Characteristics of Primary School Students, The Pedagogy of Primary School Students, Teaching Students Aged 6-12, Teaching Young Learners With Empathy, Psychological Aspects of Teaching Young Learners.

EDUC6024 – COMMUNICATION SKILL (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of communication skills, master communication skills and apply them in the classroom settings

Topics: Theories of Communication, Speaking and Communication, The Role of Communication Skills in Classroom Settings, Communication Skills and Leadership.

EDUC6025 – INTERNSHIP II (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of Internship, apply Internship as Soft Skills for Primary School Students, teach Primary School Students Grades 1-6.

Topics: Lesson Planning, Communication Skills

EDUC6026 – LESSON PLANNING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of lesson planning, master lesson planning and apply them in the classroom settings

Topics: Lesson and Lesson Plan, Steps of Lesson Planning, What Makes A Good Lesson Plan, What if the Lesson Plan doesn't Work?

EDUC6027 – LEADERSHIP SKILL (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of leadership skills, master leadership skills and apply them in the classroom settings

Topics: Leaders and Leadership, Leadership in Education, Teachers as Leaders, Leadership Skills in Classroom Settings.

EDUC6028 – PRAMUKA (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of Pramuka, apply Pramuka as Soft Skills for Primary School Students, be Pramuka coach for Grades 3-6.

Topics: What is Pramuka, The History of Pramuka in Indonesia, Pramuka in Primary School Curriculum, Pramuka as Soft Skills for Primary School Students, Pramuka for Grades 3-6.

EDUC6043 - PHILOSOPHY OF EDUCATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate how to think philosophically in education; Express how to educate people; Explain the jargon of philosophy of education.

Topics: Education as a moral practice; Educating Persons; The aim of education: liberal or vocational?; The context of education: monastery or marketplace; Subject-centred versus child-centered education – a false dualism; Standards and quality in education; Political education: relevance of the humanities; Common sense and education; The language of curriculum analysis; Knowledge out of control; Evidence-based policy and practice; Truth, knowledge and power; The 'false dualism' of educational research.

EDUC6044 - INTRODUCTION TO ENGLISH LANGUAGE LEARNING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able: Explain teaching methods, approaches, techniques and learning theories used in the English Language Teaching and Learning; Design a language teaching and learning process with the use of communicative teaching methods so that the language teaching and learning process can run well; Perform teaching tasks in an English classroom based on communicative teaching methods.

Topics: Toolkit: Options, Skills and Techniques; Introduction to Teaching Methodology; The subject matter of ELT; Planning and Activities; Classroom Management; Lesson Stages and Planning; Presentation: Peer Teaching; Vocabulary Teaching; Communicative Activities in Speaking; Approaches to Grammar; Analyzing Meaning; A Situational Presentation; Communicative Functions; Presentation Practice.

EDUC6045 - CLASSROOM COMMUNICATION AND LEARNING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able: Explain the concept of classroom management and communication in language learning; Identify and organize skills to manage the classroom, the lessons, teaching resources, and classroom interventions; Select and use various techniques of classroom management and styles of communication for supporting the learning process inside and outside the classroom; Analyze misconducts in classroom management and communication in learning and provide good strategies to solve the learning problems and attain the learning achievement.

Topics: Introduction to classroom Communication and Learning; The Roles of Teacher in Classroom; The Learner's Identity in Classroom; Managing Lessons in Classroom; Using low-tech and high-tech teaching Resources; Facilitating Whole-Class Interaction; Facilitating Pairs and Groups Interaction; Teacher Interventions in Classroom; Communication beyond the Classroom; Teacher Communication Styles in Classroom; Teacher and Student Misbehaviors in Classroom; Competition vs Cooperation in Classroom; Self-Concept and Learning Achievement.

EDUC6046 - LEARNING THEORIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of learning theories; Discuss learning theories in teaching for primary students; Compare several approaches on learning theory; Review the implementation learning theory in primary education.

Topics: Course Overview & Introduction to Learning Theories; What is learning?: The Role of Theory in Learning; Approaches to the Study of Learning; Early Behaviorist Theories; B.F Skinner's Operant Conditioning; Edward Lee Thorndike; Gestalt Psychology & Edward Chace Tolman; Robert Gagne's Condition of Learning; Jean Piaget's Cognitive-Development Theory; Lev S. Vygotsky's Cultural-Historical Theory of Psychological Development; Albert Bandura's Social-Cognitive Learning Theory; Ivan Petrovich Pavlov & Edwin Ray Guthrie; The Principle Learning in Primary Education & Current Trends in Learning Theory.

EDUC6047 - INTRODUCTION TO PRIMARY CURRICULUM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain curriculum definitions from various sources; Compare several approaches on curriculum; Identify the implementation of curriculum foundations; Review the implementation of curriculum in primary education; Compare curriculum policy from time to time in Indonesia and global; Review national and global issues related to curriculum.

Topics: Ideas about Curriculum (1); Ideas of Curriculum (2); Curriculum Approaches; Bases of the Curriculum: Social Forces; Bases of the Curriculum: Theories of Human Development; Bases of the Curriculum: The Nature of Learning; Bases of the Curriculum: The Nature of Knowledge; Philosophical Foundations of Curriculum; Education for Children; Curriculum Implementation; Curriculum from time to Time; Issues in Curriculum (1); Issues in Curriculum (2).

EDUC6048 – CURRENT ISSUES IN PRIMARY EDUCATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify some current issues in primary education in Indonesia; Solve some problems in primary education in Indonesia; Analyze the cause and impact of the issues in primary education; Design a concept and problem-solving of an issue in primary education.

Topics: Introduction to Current Issues in Primary Education; Assignment for the class and for the individual; Curriculum and change; Primary education promotes the local wisdom; Critical thinking, not memorizing in 21st century skills; English language as medium of instruction; Accountability in assessment and other activities; Reflection in education; Mobility program and field trip; Discussion - Problem solving for curriculum issues; Millennial generation and technology-based-learning; Literacy movement in millennial generation; why students only play; The uniqueness of students with MI; Discipline in education; Homework for students; Disabilities in ordinary school; Discussion - Special session for the uniqueness of students; Internationalization in MEA era; Distance learning and online learning; Homeschooling; Politics in primary education; School and foundation as two wings; Discussion - Special session for internationalization and other issues; Student reflection; Student reflection.

EDUC8001 - INTRODUCTION TO LANGUAGE AND TESTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic principles of foreign language testing; Describe different assesment approaches for different language skills; Produce good language testing materials for different language skills.

Topics: Testing, Assessment and Teaching; Purposes of Assessment; Principle of Language Testing 1: Practicality and Originality; Principle of Language Testing 2: Reliability; Principle of Language Testing 3: Validity; Test Types; Scoring, Grading and Giving Feedback; Practical Steps to Construct a Test; Assessing Receptive Skills : Reading and Listening; Assessing Grammar and Vocabulary; Assessing Productive and Interactive Skills; New Approaches in Testing: Portfolios, journals and observations; Social and Cultural Aspects in Language Testings.

EDUC8003 - ENGLISH FOR SPECIFIC PURPOSES: SECOND LANGUAGE LEARNING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the basic concepts of how children learn English; Demonstrate different methods and techniques in teaching English to children; Create a lesson plan for teaching a specific subject; Practice teaching English for young learners.

Topics: Learning and Development; Learning First Language; Learning Second Language; Attitudes and Approach to teaching Children; Basic Principles of Teaching English to Young Learners; Teaching Listening and Speaking; Teaching Reading and Writing; Storytelling; Assessment; Twenty-First-Century Skills in Teaching English to Young Learners; Professional Development.

EDUC8005 - MOBILE-ASSISTED LANGUAGE LEARNING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the concept of mobile-assisted language learning; Explain the methods of mobile-assisted language learning; Compose a module of mobile-assisted language learning.

Topics: Introduction; The Mobile Landscape; Agendas for Mobile Learning; The Technological Ecosystem; How to Teach Language With Mobile Devices; What Language to Teach With Mobile Devices; Teaching Literacy with Mobile Devices; Preparing for A Mobile Educational Future; Mobile-Assisted Language Learning and Video Games; Mobile-Assisted Language Learning and Movies; Mobile-Assisted Language Learning and Social Media; Developing A Module of Mobile Assisted Language Learning.

EDUC8007 - INSTRUCTIONAL AND MEDIA DEVELOPMENT IN ESL/EFL (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Design communicative - based materials for ESL teaching; Evaluate the feasibility of the teaching materials for ESL teaching; Apply the well-designed teaching materials in a peer teaching context.

Topics: Introduction: Issues in Materials Development in Language Teaching; Data Collection and Materials Development; The Process of Materials Writings; Technology and Materials Development; Ideas for Material Development; Evaluating the Materials; Teaching Material Practice.

SUBJECT AREA: ENGL**ENGL6011 – THESIS (6 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Research data by applying theories of Linguistics and Literature; Write final report in accordance to Thesis/Academic Paper Guidelines and Prosedur (Prosedur dan Petunjuk Penulisan Skripsi); Argue the findings/results and analysis of research in Thesis Defense.

Topics: Presenting Your Thesis (Thesis Defense); Evaluation Guide for Thesis Defense; Basic Principles in Thesis Writing; Thesis Writing and Consulting Your Progress: Lecturer and Student Perspectives; Introduction: Background and Rationale; Literature Review; Methodology; Results, Discussion and Conclusion; Formatting of Your Thesis Paper (IMRD); Evaluation and Feedback; Revising Your Thesis; Publication and Ethics; Computer Programs for Writing and Other Good Sources.

ENGL6084 – INTRODUCTION TO FILM STUDIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe defining characteristics of film, mise-en-scene, film genres, history, technologies and production systems; Distinguish elements of film acting, editing and sound; Explain principles of film form, elements of cinematography, and narrative; Analyze movies more analytically and perceptively.

Topics: Looking at Movies; Principles of Film Form; Types of Movies; Elements of Narrative; Mise-en-Scene; Cinematography; Review 1; Acting; Editing; Sound; Film History; Filmmaking Technologies and Production Systems; Review 2.

ENGL6087 – INTRODUCTION TO INDONESIAN MUSIC AND CULTURE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Examine key principles of popular music studies; Identify phenomenon of Indonesian popular music; Analyze issues of Indonesian popular music.

Topics: Introduction to Indonesian traditional, popular, and subculture music; The origin of Malay music; Music in Center and East Java; Music in West Java; Betawinese music; Dangdut; The music industry and recording companies in Indonesia; Musicians, fans, and social network in Indonesia; Music as film scoring in Indonesia; The future of music press in Indonesia; Subculture and indie music in Indonesia.

ENGL6128 – ENGLISH IN FOCUS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate the Lower-intermediate-level Academic English Listening skills of Basic Comprehension, Pragmatic Understanding, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 14 of scale 30); Demonstrate the Lower-intermediate-level Academic English Reading skills in Finding Information, Basic Comprehension, and Reading to Learn (a minimum of iBT TOEFL Reading scaled score of 14 of scale 30); Demonstrate the Lower-intermediate-level Business English speaking skills in terms of Delivery, Clarity and Appropriacy (a minimum of BINUS English Speaking scaled score of 13 of scale 30); Demonstrate the Lower-intermediate-level Academic English writing skills in terms of Introduction, Middle and Conclusion (a minimum of BINUS English Writing scaled score of 14 of scale 30).

Topics: Course Overview & Error Correction; Basic Comprehension & Travel; Error Correction & Vocabulary/Reference; Vocabulary/Reference; Basic Comprehension & Trade; Error Correction & Pragmatic Understanding; Pragmatic Understanding & Essay Writing; Pragmatic Understanding & Innovation; Details & Inferences; Error Correction & Details; Error Correction & Advertising; Reading to Learn; Error Correction & Essay Writing.

ENGL6129 – ENGLISH SAVVY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate the Intermediate-level Academic English Listening skills of Basic Comprehension, Pragmatic Understanding, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 15 of scale 30); Demonstrate the Intermediate-level Academic English Reading skills in Finding Information, Basic Comprehension, and Reading to Learn (a minimum of iBT TOEFL Reading scaled score of 15 of scale 30); Demonstrate the Intermediate-level Business English speaking skills in terms of Delivery, Clarity and Appropriacy (a minimum of BINUS English Speaking scaled score of 15 of scale 30); Demonstrate the Intermediate-level Academic English writing skills in terms of Introduction, Middle and Conclusion (a minimum of BINUS English Writing scaled score of 15 of scale 30).

Topics: Course Overview & Error Correction; Basic Comprehension; Error Correction; Vocabulary/Reference; Pragmatic Understanding & International Marketing; Error Connection & Risk; Connecting Information & Essay Writing; Listening Review & e-commerce; Details & Inferences; Error Correction & takeovers/mergers; Error Correction and Crisis Management; Inferences & Reading to learn; Error Correction & Essay Writing.

ENGL6130 – ENGLISH FOR BUSINESS PRESENTATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Design a business English presentation (by using some types of tool); Create their own style of performing a business English presentation; Perform a business presentation fluently.

Topics: Course Overview and Opening; Individual Presentation: Opening & Theory; Individual Presentation: Opening & Body language; The Importance of Hook; Individual Presentation: Middle; Individual Presentation: Middle; Individual Presentation: Closing; Individual Presentation: All content without visual; How to handle Q & A Session; Individual Presentation: All content without visual & Designing elements of presentation; Individual Presentation: All content with visual aids; How to handle Questions and Interruptions; Individual Presentation: All content with visual aids & Final Checklist.

ENGL6131 – ENGLISH FOR WRITTEN BUSINESS COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify routine Business Documents (Letters, Emails, Memos, etc); Compose creative/persuasive Business Documents (Reports, Proposals, Ads, Leaflets, etc); Demonstrate presentations on a Website (leaflet or advertisement about product or services).

Topics: Course Overview of Business Documents; Functions and Types of Business Documents and Business Letters; Business Letters; Composing Effective Email; Introduction to Business Report; Guide to write Business Report; Advertisement and Online Web Overview; Leaflets & Online web Presentation; Letters of Complaints and Apology; Business Plans & Online Web Presentation; Business Proposal & Online web Presentation; Sales letters 1; Sales letters 2.

ENGL6132 - ENGLISH ACCESS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the upper-intermediate-level TOEFL iBT listening skills (a minimum of TOEFL iBT Listening scaled score of 17 of 30); Demonstrate the upper-intermediate-level TOEFL iBT reading skills (a minimum of TOEFL iBT Reading scaled score of 17 of 30); Demonstrate the upper-intermediate-level TOEFL iBT speaking skills (a minimum of TOEFL iBT Speaking scaled score of 19 of 30); Demonstrate the upper-intermediate-level TOEFL iBT writing skills (a minimum of TOEFL iBT Writing scaled score of 17 of 30).

Topics: Program & Skills Overview (Listening, Reading, Speaking & Writing); Basic Comprehension (L) & Independent Tasks (S); Independent & Integrated Tasks (W); Vocabulary & Reference (R) & Integrated Tasks – Reading & Listening (S)

– OFC; Basic Comprehension (L) & Independent Tasks - Test (S); Pragmatic Understanding (L) & Independent Tasks - Test (S); Independent Tasks – Test (W); Pragmatic Understanding (L) & Integrated Tasks – Listening (S); Details and Understand Negative Facts (R) & Integrated Tasks – Reading & Listening (S); Connecting Information (L) & Integrated Tasks – Listening (S); Inferences & Reading to learn (R); Writing Test – Integrated Tasks (W).

ENGL6133 - ENGLISH GLOBAL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT listening skills (a minimum of TOEFL iBT Listening scaled score of 19 of 30); Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT reading skills (a minimum of TOEFL iBT Reading scaled score of 19 of 30); Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT speaking skills (a minimum of TOEFL iBT Speaking scaled score of 19 of 30); Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT writing skills (a minimum of TOEFL iBT Writing scaled score of 19 of 30).

Topics: Program & Skills Overview (Listening, Reading, Speaking & Writing); Basic Comprehension (L) & Independent Tasks (S); Independent & Integrated Tasks (W); Vocabulary & Reference (R) & Integrated Tasks – Reading & Listening (S) – OFC; Basic Comprehension (L) & Independent Tasks - Test (S); Pragmatic Understanding (L) & Independent Tasks - Test (S); Independent Tasks – Test (W); Pragmatic Understanding (L) & Integrated Tasks – Listening (S); Details & Understand negative facts (R) & Integrated Tasks – Reading & Listening (S); Connecting Information (L) & Integrated Task – Listening – Test (S); Connecting Information (L) & Integrated Task – Listening – Test (S) – Cont; Inferences (R) & Reading to learn (R) – OFC; Integrated Tasks – Test (W).

ENGL6134 - ENGLISH FOR ACADEMIC WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design the draft which includes introduction, body, and conclusion for writing in academic style; Write an academic paper either in MLA style or APA style; Blending the reference material which includes quoting, footnoting, and citation.

Topics: Introduction and Why doing a research; Finding a topic; Breaking up long sentences; Planning and organizing your research; Finding and filtering Internet Sources; Conducting Research in the Library; Conducting Research outside the library; Understanding and avoiding plagiarism; Two academic writing styles: MLA and APA style; Writing a formal outline; Revising, Proofreading the draft; Avoiding ambiguity and vagueness; Blending reference material.

ENGL6143 - LANGUAGE IN USE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use words in English in written/spoken communication correctly; Apply the right tenses in written and spoken English; Analyze grammatical problems in written/spoken communication based on the theories and concepts.

Topics: Nouns, Adjectives, Adverbs; Sensory verbs, causative verbs; Quantifiers, collective nouns, and collective adjectives; Simple Present Tense and Present Progressive Tense; Simple Past Tense and Past Progressive Tense; Possessive pronouns; Articles in Discourse; Review all tenses; Intensifiers and Degree Complements; Present Perfect Tense; Present Perfect Progressive Tense; Simple Future Tense; WH Questions; Final-test Preparation.

ENGL6144 - THE SOUND OF ENGLISH (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the sounds of English; Produce the sounds of English; Recognize written phonetic code; Recognize English phonological rules.

Topics: Introduction to Phonology; Organ of Speech; Vowel Chart; Vowel Sounds; Vowel Sounds 2; Vowel Sounds 3; Vowel Sounds 4; Vowel Sounds 5; Consonant Chart; Consonant Sounds; Consonant Sounds 2; Consonant Sounds 3; Consonant Sounds 4; Consonant Sounds 5; Segmental Phonology; Syllable Structure; Word Stress; Word Stress 2; Sentence Stress; Sentence Stress 2; Connected Speech; Connected Speech 2; Intonation; Intonation 2; Conversation; Conversation 2.

ENGL6145 - INTERCULTURAL AND CROSS-CULTURAL COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify useful phrases of spoken English in various situations; Apply useful phrases of spoken English in various situations; Demonstrate speaking skills in various intercultural and cross-cultural contexts.

Topics: Introduction & Long Time No See; My Place; Money; Going Out; Fashion; Learning; Experience Abroad; Health; Personalities; Careers; Personal Entertainment; Something Special; Review.

ENGL6146 - ACADEMIC WRITING 101 (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the key concepts in academic writing; Employ the language use in academic writing; Discover a critical analysis of texts; Produce an academic essay, through both offline and online means.

Topics: Introduction; The Writing Process; Avoiding plagiarism; References and quotations; Reading: finding suitable sources; Reading: developing critical approaches; From understanding titles to planning; Finding key points and note-making; Paraphrasing; Summarising; Combining sources; Organising paragraphs; Introductions and conclusions; Re-writing and proof-reading; Argument and discussion; Cause and effect; Comparisons; Cohesion; Definitions; Examples; Generalisations; Style; Visual Information.

ENGL6147 - LANGUAGE IN USE II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use the right tenses and verbs in written/spoken communication; Combine words and ideas to compose sentences in English based on the theories and concepts given; Solve grammatical problems in written/spoken communication based on the theories and concepts given.

Topics: Verb Tenses in Written & Spoken Communication; Verbs: Aspect & Time Frames; S-V agreement; Article Usage; Reference Words & Phrases; Passive Verbs; Relative Clauses Modifying Subjects; Review for mid-term test; Relative Clauses Modifying Objects; Nonrestrictive Relative Clauses; Relative Adverbial Clauses; Correlative conjunctions; Sentence connectors; Review for final test.

ENGL6148 - LANGUAGE IN SOCIETY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the concept of sociolinguistics and sociology of language; Identify the concept of pragmatics; Identify the concept of discourse analysis; Construct the business plan and evaluate the business model.

Topics: Sociolinguistics vs. Sociology of Language; Social factors in language change; Dialect in Society; The Sociolinguistics of Communication Media; Diglossia and Multilingualism; Code-switching; Language contact and language generation: Pidgins and Creoles; Language contact, language degeneration, and displacement; The Study of Meaning; Pragmatics vs Semantics; Deixis and distance; Cooperative and implicature; Speech acts and events; Discourse and Culture.

ENGL6149 - ENGLISH SYNTAX (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic concepts of English syntax; Apply the concepts of syntax in writing English sentences; Analyze pieces of language based on the concepts of syntax.

Topics: Introduction; Sentence structure: constituents; Sentence structure: functions; Sentence structure: categories; The basic Verb Phrase; Adverbials and other matters; More on verbs: auxiliary Verb Phrase; Review for Mid-term Test; The structure of Noun Phrases; Sentences within sentences; Wh-clauses; Non-finite clauses: The form; Non-finite clauses: The functions; Languages, sentences and grammars; Review for Final Test.

ENGL6150 - LANGUAGE IN USE III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Combine words, clauses and phrases to compose sentences in English based on the theories and concepts given; Arrange and write sentences in discourse level; Analyze and solve grammatical problems in written/spoken communication based on the theories and concepts given.

Topics: Pre-test on Tenses, Passive, Relative Clauses; Discourse Organizers; Conditionals; Reducing Adverb Clauses; Preposition Clusters; Gerunds and Infinitives; Perfective Infinitives; Review untuk mid test; Adjective Complements in Subject and Predicate Position; Noun Complements Taking "That" Clauses; Subjunctive Verbs in "That" Clauses; Emphatic Structures; Fronting Structures for Emphasis and Focus; Focusing and Emphasizing Structures; Review of final test.

ENGL6151 - PROJECTS IN LANGUAGE, LITERATURE AND CULTURE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify various topics of projects in language, literature, and culture; Plan and design steps of projects in language, literature, and culture; Compose relevant projects in language, literature and culture and gain related knowledge from outfield trip.

Topics: Introduction to the course; Areas of Studies & Project Ideas in Language 1; Areas of Studies & Project Ideas in Language 2; Areas of Studies & Project Ideas in Language 3; Areas of Studies & Project Ideas in Language 4; Areas of Studies & Project Ideas in Language 5; Areas of Studies & Project Ideas in Language 6; Guest Lecture/workshop 1: On language research; Areas of Studies & Project Ideas in Language 7; Areas of Studies & Project Ideas in Language 8; Areas of Studies & Project Ideas in Language 9; Areas of Studies & Project Ideas in Language 10; Areas of Studies & Project Ideas in Literature 1; Areas of Studies & Project Ideas in Literature 2; Areas of Studies & Project Ideas in Literature 3; Guest Lecture/workshop 2: On literature research; Areas of Studies & Project Ideas in Literature 4; Areas of Studies & Project Ideas in Literature 5; Areas of Studies & Project Ideas in Culture 1; Areas of Studies & Project Ideas in Culture 2; Areas of Studies & Project Ideas in Culture 3; Guest Lecture/workshop 3: On culture research; Areas of Studies & Project Ideas in Culture 4; Areas of Studies & Project Ideas in Culture 5; Areas of Studies & Project Ideas in Culture 6; Review.

ENGL6152 - INTRODUCTION TO STYLISTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe concepts in Stylistics; Identify the appropriate Stylistic analysis technique for certain type of text; Practice a simple stylistic analysis for their chosen text.

Topics: What is Stylistics? A Brief History of Stylistics; Stylistics and Levels of Language: Key concepts in Stylistics; Grammar and Style: A basic model of grammar and other variations; Rhythm and Metre: Literature as written language; Style as a Choice: Style and point of view; Representing Speech and Thought in Stories; Dialogue and Discourse: Understanding dialogue in drama; Metaphor and Metonymy; Stylistics and Verbal Humour: Puns, parody, satire; Levels of Language at Work: An example from poetry; Dialogue in Drama: Strategies and structure of dialogue; The Role of Style in Translation: How to adapt styles in different language; Presupposition as Language Styles Across Genres: How to create texts in different genres.

ENGL6153 - TRANSLATING NON-FICTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the basic concepts of translation; Apply the concepts of translation in translating non-fiction texts; Analyze the strategies of translation used in diverse translation texts.

Topics: About Translation; Equivalence at word level; Problem of non-equivalence; equivalence above word level: collocation; equivalence above word level: idioms; grammatical equivalence; grammatical equivalence: word order; textual equivalence: thematic structure; textual equivalence: information structure; textual equivalence : cohesion; pragmatic equivalence : coherence; pragmatic equivalence : implicature; review.

ENGL6154 - ENGLISH FOR BUSINESS COMMUNICATIONS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the characteristics, concepts and practices of verbal and non verbal business communications; Identify the characteristics, concepts and practices of verbal and non verbal business communications; Construct proper written responses on business correspondence's cases; Examine acceptable verbal business communication in any given business settings; Evaluate examples and practices in verbal and written business communication.

Topics: Introduction; Effective and ethical communication at work; Professionalism; team meeting, non verbal communication and listening; Intercultural communication at work; Planning business messages; Report and Research Basics; Organizing and Writing Business Messages; Positive and Negative Messages; Electronic Messages and Digital Media; Revising Business Messages; Persuasive and Sales Messages; Informal Business Report; Proposal, Formal Reports, and Business Plans; Business Presentations; Job search: resumes and cover letter; Interviewing and following up.

ENGL6156 - TRANSLATING IN LEGAL CONTEXTS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use Students are able to use legal language; Analyze Students are able to analyze how legal language is different from ordinary English; Apply Students are able to translate from English into Indonesian and vice versa in legal contexts.

Topics: Legal English; Company Formation; Board Meeting and Shareholders' Meetings, translation; Quiz; Discuss and continue shareholders' meeting; MOU, translation; Discuss MOU; Difficult clauses; Translation of difficult clauses; Boilerplate clauses; Translation of boilerplate clauses; Quiz; Review.

ENGL6157 - FICTION & NON FICTION WRITING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define creative fiction and creative non-fiction; Compare (and contrast) the typical characteristics of fiction and non-fiction; Write creative fiction and non-fiction.

Topics: Introducing creative writing; Creative writing in time; Creative writing in the world; Freedom, play and magic; Challenges of creative writing: writers, translation, and experiment; Challenges of creative writing: design and quality; Composition and creative writing 1; Composition and creative writing 2; Composition and creative writing 3; Processes of creative writing 1; Processes of creative writing 2; The practice of fiction 1; The practice of fiction 2; Creative Writing Exercises; Creative nonfiction 1; Creative nonfiction 2; Writing poetry 1; Writing poetry 2; Performing writing 1; Performing writing 2; Writing in the community and academy: Community as open space; Creating writing in the creative academy; Academy as open space and The door and the abyss; Creative fiction/non-fiction workshop 1; Creative fiction/non-fiction workshop 2; Creative fiction/non-fiction workshop 3 and Review.

ENGL6158 - WRITING FOR CHILDREN AND YOUNG ADULTS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate knowledge and understanding about many aspects of children and young adult writing; Compose ideas and topics for children and young adult writing; Produce creative and innovative children and young adult writing.

Topics: What is children and young adult literature?; Genres of children and YA literature; Themes of children and YA literature; Social and psychological perspectives; Children and YA publishers; Contemporary children and YA literature; Building the plot; Creating characters and POV; Setting and timeline; Learning to write dialogues; Writing for children and YA; Constructing feedback; Review.

ENGL6159 - UNDERSTANDING ESL/EFL LEARNERS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able: Explain some theories in educational psychology and human development; Discuss the individual variations that a teacher should face in the classroom; Design a teaching plan that accommodates the theories learned in the course.

Topics: Educational Psychology; Social Contexts and Socioemotional Development; Individual variations; Cognitive and Language Development; Cognitive Development in Early Childhood; Psychosocial Development in Early Childhood; Review; Cognitive Development in Middle Childhood; Psychosocial Development in Middle Childhood; Cognitive Development in Adolescence; Psychosocial Development in Adolescence; Observational Report; Review for Final Test.

ENGL6160 - CURRENT ISSUES IN LINGUISTICS AND TRANSLATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply various linguistic and translation theories; Compare different applications of linguistic and translation theories; Illustrate the understanding toward current issues of linguistics and translation studies.

Topics: Introduction to Current Issues in Linguistics and Translation; Language and culture interaction; Intercultural communication; Theory of communication and speech standards; Translation studies; Interpreting; Translating vs Interpreting; Descriptive translation studies; Translating strategies; Practice of Translation; Discourse and speech acts research issues; Functional theories of translation; Translation studies as an interdiscipline.

ENGL6161 - TRANSLATING FICTION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the concepts, techniques and strategies of translating fiction works; Apply the concepts, techniques and strategies in translating fiction works; Analyze their own and others' translation works.

Topics: What is translation; Literary translation; Translation techniques; Translation strategies; Translating poetry; Translating puns and wordplay; Translating children literature; Translating humorous prose; Translating comic; Translating drama; Translating short story; Translating novel; Evaluating translation.

ENGL6162 - TRAVEL WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Practice the essential skills and knowledge required in travel writing; Identify diverse audiences with an interest in travel writing; Produce articles and features about travelling; Identify various types of travel writing.

Topics: Introduction to Travel Writing; Readers and Markets; What is News; Writing Features; Travel Writing: an overview; Elements of A Good Travel Piece; Description in Travel Writing; Travel Memoirs; Various Types of Travel Writing; New Media and Photograph; The Business of Travel Writing; Research and Revision.

ENGL6164 - NEW MEDIA WRITING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the principles of starting a digital writing career; Differentiate between good new media writing and bad new media writing; Produce articles that fit the characteristics of good new media writing.

Topics: Introduction; Defining digital writing; Why digital writing matters; Establishing a digital writing career; Choosing a profitable blog topic; Setting up your blog; Adding content to your blog; Promoting your blog; Making money with your blog; Laying the ground work; Getting hired: applying and pitching; Publishing eBooks; Publishing and selling your book.

ENGL6169 - ENGLISH FOR PROFESSIONALS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain principal theories of communication in professional context; Construct professional written correspondence in any business settings; Demonstrate a professional verbal communication in any business settings.

Topics: Introduction; Making inquiries; Handling complaints; Provide feedback; Negotiation; Give and respond to instructions; teleconferencing; Meeting; Workplace mobile messaging.

ENGL6170 - PERFORMANCE WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the key elements in writing a play; Apply the key elements in writing a play; Compose a play script.

Topics : Introduction to Play Writing; Action; Direct Conflict; Character; Dialogue; Three-Character Conflict; Writing from Life; Review for Mid-Term Coursework; Writing from a Source; Expanding Your Skills; Writing Your Play; Marketing Your Play; Review for Final Coursework.

ENGL6174 - ENGLISH IN MARKETING AND ADVERTISING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain principal theories of effective copywriting in the marketing context; Differentiate between a good copywriting and a bad copywriting; Produce effective copywriting in English in the marketing context.

Topics: Introduction; general knowledge of copywriting; specific knowledge of copywriting; practicing in copywriting; the purpose of all graphic elements of an ad; the first sentence; creating the perfect buying environment; resonating with the reader; copy as emotion; selling the concept not the product; how much copy should you write?; the copy sequence; the editing process.

ENGL6186 - INTERNSHIP (8 Credits)

Learning outcome: On successful completion of this course, student will be able to: Apply English, Literary, Linguistic and Cultural knowledge in the workplace; Practice Good manner and Professionalism in the workplace; Discuss issues in the workplace in the academic manner (through report writing and seminar).

Topic: Introduction to Internship; Mind and Manner; Communication; Professionalism and Performance; Focusing on an Issue for Analysis; Report Writing and Seminar.

ENGL6209 – REFLECTION ON LANGUAGE PERFORMANCE AT WORK (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to write a reflective report on internship experience and integrate theories of linguistics with the actual language performances at work.

Topics: Identifying Language performances; Language performances at work: what does it take to excel?; Understanding the contexts, adjusting the language 1; Understanding the contexts, adjusting the language 2; Integrating theories with Practices: filling the gap; What is happening here? Asking proper questions for identification; Answering your questions; Structuring the answers; Synthesizing theories with the real situations at work; Gathering data: what data? Identification; Gathering data: how did it influence my work? How did it influence my surrounding?; Getting to a conclusion; Seminar.

ENGL6210 – OBSERVATION IN LANGUAGE PHENOMENA IN INDUSTRIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain theories of qualitative research method; Apply theories of qualitative research to language phenomena in industries; Apply theories of qualitative research to cultural phenomena in industries.

Topic: Developing contextual research that matters; Entering the conversation of qualitative research; paradigmatic reflections and theoretical foundations; fieldwork and fieldplay: negotiating access and exploring the scene; proposal writing; field roles, field notes, and field focus; interview planning and design; interview practice; data analysis basics; advanced data analysis; qualitative quality; writing the report; qualitative methodology matters.

ENGL6211 - COMMUNICATION SKILLS IN LANGUAGE AND CULTURE (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Reveal the kinds of skills required in the contexts of certain industries; Analyze the effectiveness of EES skills in industry through report; Demonstrate the employability and the entrepreneurial skills needed in industry.

Topics: Understanding EES at work; People skills in industry; Social skills in Modern world ; The Professional Self; Communication skill at work; Be a good listener at work; Explaining oneself professionally; Delivering complaints & Accepting criticism; Asking questions; Making appropriate feedback and praises; Reading between the lines; Case Studies and report Writing; EES workshop.

ENGL6212 – FIELD WORK EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply English, Literary, Linguistic and Cultural knowledge in the workplace; Practice Good manner and Professionalism in the workplace; Discuss issues in the workplace in the academic manner (through report writing and seminar).

Topics: Introduction to Internship; Mind and Manner; Communication; Professionalism and Performance; Focusing on an Issue for Analysis; Report Writing and Seminar.

ENGL6213 - REFLECTION ON LANGUAGE IMPROVEMENT AT WORK (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain quantitative and qualitative research method in the context of language research; Analyze data in relation to language research; Evaluate language research data to improve language teaching-learning process.

Topic: Introduction to research; Issues related to data gathering; common data collection measures; research variables, validity and reliability; designing a quantitative study; qualitative research; classroom research; coding; analyzing quantitative data; concluding and reporting research.

ENGL6214 – OBSERVATION IN CULTURAL PHENOMENA IN INDUSTRIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the language and cultural phenomena in industries; Evaluate the language and cultural phenomena in industries; Report the result of industrial observation systematically.

Topic: Developing contextual research that matters; Entering the conversation of qualitative research; paradigmatic reflections and theoretical foundations; fieldwork and fieldplay: negotiating access and exploring the scene; proposal writing; field roles, field notes, and field focus; interview planning and design; interview practice; data analysis basics; advanced data analysis; qualitative quality; writing the report; qualitative methodology matters.

ENGL6215 – PROBLEM SOLVING SKILLS IN LANGUAGE AND CULTURE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain advanced theories of entrepreneurship; Relate success stories of entrepreneurship with case studies; Design a good business plan using case studies.

Topics: Introduction; The core of Internship; The origins of Ideas, creativity, and innovations; Opportunity recognition; The ups and downs of entrepreneurial life; Reviews for mid term; Ingredients of entrepreneurial success; Protecting your ideas; Planning for success; Financial and human support; Beyond new ventures; Reviews for final term; Preparing the final project.

ENGL7155 - ENGLISH QUALIFICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Build skills in reading, writing, listening, and speaking; Apply grammar and vocabulary mastery in the international exam; Perform well in the international exam.

Topics: Introduction; Grammar: Tenses I; Studying Overseas; Shopping and the Internet; Grammar: Tenses II; Grammar: Modal Verbs; Jobs and Job-hunting; Crime and Punishment; Transport and Inventions; Vocabulary Building I; The Natural World; Attitudes to Food; Grammar: Comparing and Conditions; Grammar: Reporting; Leisure Activities; Education; Technology; Vocabulary Building II; The Workplace; Climate and the Environment; Grammar: Defining; Grammar: Linking Words; Globalisation; Communication; Growth and Development; Review and Post-test.

ENGL8037 – POPULAR CULTURE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the concept of culture, cultural studies, and popular culture; Explain the theory of cultural studies and popular culture; Analyze popular culture cases and phenomena with theories of cultural studies and popular culture.

Topics: Introduction 1; Introduction 2; History of Popular Culture; Representation and the Production of Social Reality; The Production of Popular Culture; The Consuming Life; Identity and the Body; Identity, Community and Collectivity; Subcultures and Countercultures; Space, Place, and Globalization; Popular Culture in the 21st Century.

ENGL8055 – BROADCASTING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain key principles of broadcasting journalism; Write good news with correct news-writing mechanics; Produce and deliver television and radio newscast.

Topics: The principles of broadcast journalism; Ethics, responsibilities, and law; What makes broadcast news; News channels, programmes, and streams; Where the news comes from and choosing a story; The interview; Writing basics; News anchor and presenters; News reading mechanics; Radio and story treatment; Editing and the studio; Television newsroom production; Presenting television news.

ENGL8056 – EDITING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize editing rules and process; Apply rules in English to edit texts; Use information technology for editing.

Topics: Introduction to Editing and Proofreading (Rules of the Course); Being a Resourceful Editor; Grammar in Action 1: Capital Letters, Comma, and Punctuation Marks; 3Cs: 1. Correctness (Accuracy); 3Cs: 2. Consistency; Grammar in Action 2: Run-On Sentence; 3Cs: 3. Clarity; Grammar in Action 3: Choice of Words, Using the right Tense and Voice; Grammar in Action 4: Final Revision; Various Forms of Texts; Making Use of Technology for Editing; Proofreading; Project Presentation.

ENGL8057 – ADVERTISING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic principles of advertising; Choose the right design principle for advertisement; Write a copy of advertisement text for print, broadcast, and web.

Topics: Introduction; Harnessing the power of emotional copywriting; Three big ideas you should use before benefits; A powerful process for developing customer empathy; Copywriting and flattery; Ancient Greek secret of emotionally engaging copy; Copywriting and connecting on social media; Tips on the best way to ask for the order; Five pleasure-inducing techniques for copywriters; How to engage your imagination and free your creativity; Finding your voice; The definitive way to judge when grammar matters in copywriting; An age old-method of injecting life into sales pitch.

SUBJECT AREA: ENGR**ENGR6004 – TECHNICAL DRAWING (2/2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Read and extract information from a technical drawing; Produce a technical drawing of a machine component; Produce 3D isometric view of a component; Use computer-aided design to produce 3D solid modeling.

Topics: Basic Principles of Technical Drawing; Geometrical Construction Drawing; Pictorial Drawing; Multi-View Drawing; Surface Finishes and Tolerancing; Sectional View Drawing; Working Drawing; Machine Element Drawing.

ENGR6005 – MECHANICS OF MATERIALS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe mechanics of some basic structures; Perform stress analysis of simple structural components; Perform simple failure analysis.

Topics: Free-body diagram; Static equilibrium; Truss: the method of joints and the method of sections; Concept of Stress and strain; Axial and torsion load; Bending load; Deflections of beams; Statically indetermined beams.

ENGR7084 – CODE OF CONDUCT AND ETHICS OF ENGINEER PROFESSION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Memahami pengertian profesi, keprofesionalan, kode etik dan kode tata laku insinyur; Memahami kompetensi dan “body of knowledge” keinsinyuran; Mengenali tanggung jawab etika insinyur, kepekaan dan kepedulian akan tugas, fungsi dan tanggung jawabnya, serta akuntabel; Memahami kode etik insinyur Indonesia; Mampu mendiskusikan dilema pengambilan keputusan terkait etika keinsinyuran; Mampu meningkatkan kepekaan nurani dalam mengatasi ethical issues in engineering.

Topics: Pendahuluan; Pemahaman & Pengertian; Etika dan Keinsinyuran; Catur karsa – Sapta dharma; Studi kasus; Tools & Techniques; Penutup.

ENGR7085 – PROFESSIONALISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the characteristics of professional engineers in performing the planning, design, and applying the understanding of health, safety and environmental sustainability including applying the understanding of non-technical factors and professional ethics in their profession; Apply the role of project management process and integration; Apply project scoping and time management by understanding how to analyse and evaluate data to find and recognize the ability, weakness and strength of their workplace; Implement professionally implement, cooperate and manage projects in a team according to the budgeted cost and quality; Implement the selected feasible and proper decisions based on risk and resources management; Implement communicate and coordinate the procurement and project closing management.

Topics: Introduction to Professionalism in Engineering; Project Management for Problem description and solution objectives; Project Management in Data collection and analysis; Project Integration within work place tasks and authority; Scoping for work planning; Time Management in work implementation; Cost Management in work implementation; Quality Management in work implementation; Resource management in work implementation; Risk Management in work implementation; Communication Management in work implementation; Procurement supporting Work handover.

ENGR7086 – OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the fundamental of occupational safety health and environmental in industries; Apply the tools and techniques of system and safety analysis to solve the occupational safety and health problems; Evaluate the risk assessment and safety management system in occupational safety and health problems; Demonstrate the safety plan and program in industry.

Topics: Introduction to Occupational Safety Health and Environmental; Legal Aspects of Safety; Hazards and Their Control; Transportation and Materials Handling; Fire Protection and Explosions; Fire Protection and Explosions; Visual Environment, Noise, Non-Ionizing, Ionizing Radiations, and Chemicals; Ventilation, Biohazards and Hazardous waste; Personal Protective

Equipment; Human Behaviour and Performance in Safety; Ergonomics; Risk Assessment and Safety Management; System Safety and Safety Analysis; Safety Plan and Program.

ENGR7087 – ENGINEERING PRACTICE (12 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the research methodology in solving a case study in industrial engineering problems; Apply the industrial engineering's tools and techniques in solving a case study in industrial engineering; Discuss the results of industrial case study; Demonstrate the soft skills in presenting the industrial case study.

Topics: Briefing the project outline and supervisory; Outline submission and supervisor alternatives; Outline and supervisor approval; Introduction: Background of research; Introduction: Problem statements and Set the objectives; Scope of project proposal; Literature reviews: Referencing; Literature reviews: Journals; Project/research methodology; Data collections; Methods, Tools and Techniques; Results; Discussion; Final project submission; Project presentation and examination.

ENGR7088 – ENGINEERING CASE STUDY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Mahasiswa didorong untuk menghasilkan kemampuan analisisnya terhadap masalah praktek keinsinyuran yang timbul; Mahasiswa mampu untuk mengembangkan ide-ide dan solusinya sendiri, dan praktek menerapkan pengetahuan teoritisnya untuk mengatasi masalah; Mahasiswa mampu mempersiapkan diri menghadapi situasi krisis dengan berbagai lingkungan professional keinsinyuran/industry (sesuai UU-11); Mahasiswa mampu memahami komunikasi lintas disiplin dan mengapresiasi disiplin lainnya; Mahasiswa memahami akar dan esensi permasalahan dan penyelesaian keinsinyuran.

Topics: Pendahuluan; Pengantar dan definisi studi kasus; Metode pemilihan dan penetapan studi kasus; Sistematisa penyusunan laporan studi kasus; Paparan studi kasus I (kode etik & etika profesi insinyur); Paparan studi kasus II (Profesionalisme bidang keinsinyuran); Paparan studi kasus III (K3 L bidang keinsinyuran); Paparan studi kasus IV (Praktek kerja lapangan/pemagangan); Pembahasan akhir hasil-hasil studi kasus.

ENGR7089 – SEMINAR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the terms of reference (TOR) as a speaker at a seminar, workshop or discussion; Understand themes and sub themes of seminar; Compile materials; Deliver the materials in coherently and structured according the appropriate time; Understand and answer the questions; Conduct discussion and communication.

Topics: Introduction; Communication Techniques; Structured Thinking Techniques; Visualisation Techniques; Presentation Techniques; Discussions Techniques; Moderation Techniques.

SUBJECT AREA: ENTR

ENTR6001 - BUSINESS PROJECT I (1 Credit)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the opportunity, idea, innovation for entrepreneurial project; Recognize concepts and principles of management engage in a business project; Produce valuable and innovative product or services based on market needs.

Topics: Project idea; Team strengths, weakness and context of the project; Characteristic of the offer; Communication Plan and Action Plan; Human Resource Plan and Financing Plan; Implement and evaluate the Plan; Presentation.

ENTR6002 - BUSINESS PROJECT II (1 Credit)

Learning Outcomes: On successful completion of this course, student will be able to: Propose business plan and the showcased potential business project.

Topics: Business Plan Preparation; Financial Aspect of Business; Develop A Business Plan; Strategic Future Plan; Your Business Now; Business Plan Evaluation.

ENTR6003 – ENTREPRENEURSHIP I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the innovative business ideas; Describe the value proposition of the created business idea; Assess the value proposition of the created business idea.

Topics: Why Entrepreneurship?; Ideation and Market Research; Customer Profile; Value Proposition and Value Proposition Design; Customer Profiling and Value Proposition: Class Workshop; Effective Presentation and Negotiation Skill; Presentation and Negotiation: Class Workshop; Prototyping; Understanding Your Customer; Assessing Our Value Proposition; Business Model Design; Aligning Value Proposition to Business Model; Business Model Design: Class Workshop.

ENTR6004 – ENTREPRENEURSHIP II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create an innovative business model; Generate business strategies to make a sustainable business; Assess the requirement for starting up a business.

Topics: Introduction, Value Propositions, & Customer Segments; Business Model Overview; Channels & Customer Relationship; Marketing; Operational; Key Resources, Key Activities, Key Partnerships; Revenue Streams & Cost Structure; Finance; Prototyping; Business Model Patterns; Investment; Intellectual Property Right; Final Presentation.

ENTR6012 – INNOVATION & ENTREPRENEURSHIP (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the entrepreneurship goal and context; model for innovation and entrepreneurship; Apply the concept of recognising the opportunity; finding the resources; developing the venture; and creating value; Analyse the cases of recognising the opportunity; finding the resources; developing the venture; and creating value.

Topics: The Innovation Imperative; Social Innovation; Innovation, Globalisation, Development; Sources of Innovation; Entrepreneurial Creativity; Searching Strategies for Innovation; Building the Case; Leadership and Team; Developing New Product and Services; Creating New Ventures; Business model and capturing value; Exploiting Knowledge and Intellectual Property; Learning to Manage Innovation and Entrepreneurship.

ENTR6013 – DEVELOPING NEW BUSINESS MODEL & BUSINESS PLAN (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the business developer's mindset; Explain the business developer's toolbox; Design innovative business model canvas, tying together all concepts, techniques and tools; Assess and implementing the business plan.

Topics: Introduction and default positions; Business development; Market orientation; Innovation, the entrepreneur and entrepreneurial orientation; Business models and business plans; Strategy and strategic management; The business environment : value creation I; Resources and organization design : value creation II; Value appropriation and property rights; The marketing plans : marketing management and market research; The organization plan: organizational development and governance; The finance plan : financial statement, arrangements, and valuation; Connecting the dots: implementing the business plan; Business Model and Business Plan; The business environment: value creation I; Resources and organization design : value creation II; The marketing plans: marketing management and market research; The organization plan : organizational development and governance; The finance plan: financial statement, arrangements, and valuation.

ENTR6014 - ENTREPRENEURSHIP BUSINESS PROJECT I (1 Credit)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the opportunity, idea, innovation for entrepreneurial project; Define the business model and explain the defined business model; Evaluate the defined business model of the created business and propose a new more suitable business model.

Topics: Market Segment – Persona; Ideation; Visual Thinking; Prototyping the Business; Story telling; Scenario in Business; Presentation.

ENTR6015 - ENTREPRENEURSHIP BUSINESS PROJECT II (1 Credit)

Learning Outcomes: On successful completion of this course, student will be able to: Propose business plan and the showcased potential business project.

Topics: Business Plan Preparation; Financial Aspect of Business; Develop A Business Plan; Strategic Future Plan; Your Business Now; Business Plan Evaluation.

ENTR6048 – BUSINESS MODEL & VALIDATION FOR INFORMATION SYSTEMS PROJECT (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6049 – LAUNCHING NEW VENTURES FOR INFORMATION TECHNOLOGY BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6065 – LEAN START UP & BUSINESS PLAN FOR INFORMATION TECHNOLOGY BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6066 – VENTURE CAPITAL FOR INFORMATION TECHNOLOGY BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6069 – BUSINESS MODEL & VALIDATION IN MOBILE APPLICATION PROJECT (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6086 – LAUNCHING NEW VENTURE IN MOBILE APPLICATION PROJECT (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6087 – LEAN START UP & BUSINESS PLAN IN MOBILE APPLICATION PROJECT (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6142 – VENTURE CAPITAL IN MOBILE APPLICATION PROJECT (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6143 – BUSINESS MODEL & VALIDATION FOR DESIGN AND CREATIVE BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product)

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6144 – LAUNCHING NEW CREATIVE BUSINESS VENTURE (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6145 – BUSINESS MODEL FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6146 – LAUNCHING NEW VENTURE FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6147 – LEAN START UP & BUSINESS PLAN FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6148 – VENTURE CAPITAL FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6149 – IT BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6150 – LAUNCHING NEW IT VENTURE (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6151 – LEAN IT START UP & BUSINESS PLAN (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6152 – VENTURE CAPITAL IN IT INDUSTRY (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6153 – BUSINESS MODEL & VALIDATION IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6154 - LAUNCHING NEW ACCOUNTING AND FINANCE BUSINESS (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6155 – LEGAL ASPECT IN BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6156 – LEGAL ASPECT IN NEW VENTURE (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6157 – LEGAL ASPECT IN LEAN START UP & BUSINESS PLAN (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6158 – LEGAL ASPECT IN VENTURE CAPITAL (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6163 – BUSINESS MODEL & VALIDATION IN DESIGN FIELD (2 Credits)

Learning outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6164 – LAUNCHING NEW VENTURE IN DESIGN FIELD (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6170 – CHINESE BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6171 – LAUNCHING NEW VENTURE IN CHINESE (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6172 – LEAN START UP & BUSINESS PLAN IN CHINESE (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6173 – CHINESE VENTURE CAPITAL (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6174 – BUSINESS START UP IN TOURISM (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6175 – BUSINESS MODEL & VALIDATION IN TOURISM (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6176 – LAUNCHING NEW VENTURE IN TOURISM (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process; The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6177 – EES IN TOURISM NEW BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6178 – GROWING A BUSINESS IN TOURISM (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6179 – LEAN START UP & BUSINESS PLAN IN TOURISM (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6180 – VENTURE CAPITAL IN TOURISM (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6181 – EES IN TOURISM BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6182 – BUSINESS MODEL AND VALIDATION IN COMMUNICATION FIELD (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6183 – LAUNCHING NEW VENTURE IN COMMUNICATION FIELD (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process; The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6184 – EES IN NEW COMMUNICATION BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6188 – COMPUTER ENGINEERING PRACTICAL EXPERIENCE I : FOR ENTREPRENEURSHIP - BUSINESS START UP (8 Credits)

Larning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6189 – COMPUTER ENGINEERING TECHNICAL ANALYSIS I : FOR ENTREPRENEURSHIP - BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6190 – COMPUTER ENGINEERING TECHNICAL ANALYSIS I : FOR ENTREPRENEURSHIP - LAUNCHING NEW VENTURE (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process; The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6191 – COMPUTER ENGINEERING EES EXPERIENCE I: FOR ENTREPRENEURSHIP – EES IN NEW BUSINESS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6192 – COMPUTER ENGINEERING PRACTICAL EXPERIENCE II : FOR ENTREPRENEURSHIP - GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6193 – COMPUTER ENGINEERING PRACTICAL EXPERIENCE II : FOR ENTREPRENEURSHIP - LEAN START UP & BUSINESS PLAN (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6194 – COMPUTER ENGINEERING PRACTICAL EXPERIENCE II : FOR ENTREPRENEURSHIP - VENTURE CAPITAL (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6195 – COMPUTER ENGINEERING PRACTICAL EXPERIENCE II : FOR ENTREPRENEURSHIP - EES IN BUSINESS EXPERIENCE (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6196 – COMPUTER ENGINEERING EES EXPERIENCE II: FOR ENTREPRENEURSHIP – EES IN NEW BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6197 – ARCHITECTURAL BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6198 – LAUNCHING NEW VENTURE ARCHITECTURAL ENTREPRENEURSHIP (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process; The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6199 – EES IN NEW ARCHITECTURAL BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6201 – FOOD BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6202 – LAUNCHING NEW FOOD VENTURE (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6203 – BUSINESS MODEL & VALIDATION IN MATHEMATICS (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6204 – LAUNCHING NEW VENTURE IN MATHEMATICS (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6206 – BUSINESS MODEL & VALIDATION IN STATISTICS (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6207 – LAUNCHING NEW VENTURE IN STATISTICS (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6209 – BUSINESS MODEL & VALIDATION FOR INFORMATION SYSTEMS PROJECT (2 Credits)

Learning outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6210 – LAUNCHING NEW VENTURES FOR INFORMATION TECHNOLOGY BUSINESS (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6212 – BUSINESS MODEL & VALIDATION FOR INFORMATION SYSTEMS PROJECT (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6213 – LAUNCHING NEW VENTURES FOR INFORMATION TECHNOLOGY BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6214 – EES IN NEW BUSINESS AND INFORMATION SYSTEMS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6215 – BUSINESS MODEL & VALIDATION FOR INTERNATIONAL RELATIONS STUDENTS (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6216 – LAUNCHING NEW VENTURES FOR INTERNATIONAL RELATIONS STUDENTS (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6217 – LEAN START UP & BUSINESS PLAN FOR INTERNATIONAL RELATIONS STUDENTS (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6218 – VENTURE CAPITAL FOR INTERNATIONAL RELATIONS STUDENTS (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6219 – LANGUAGE AND CULTURE BUSINESS MODEL (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6220 – LANGUAGE BUSINESS VENTURE (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6221 – BUSINESS MODEL & VALIDATION IN JAPANESE MARKET (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6222 – LAUNCHING NEW VENTURE IN JAPANESE MARKET (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6223 – LEAN START UP & BUSINESS PLAN IN JAPANESE MARKET (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6224 – VENTURE CAPITAL IN JAPANESE MARKET (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6225 – CYBER SECURITY BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6226 – LAUNCHING NEW CYBER SECURITY VENTURE (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6227 – EES CYBER SECURITY PROFESSIONAL IN NEW BUSINESS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6228 – LEAN CYBER SECURITY START UP & BUSINESS PLAN (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6229 – VENTURE CAPITAL IN CYBER SECURITY (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6230 – EES CYBER SECURITY PROFESSIONAL IN BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6231 – PSYCHOLOGY & ENTREPRENEURSHIP: BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6232 – PSYCHOLOGY & ENTREPRENEURSHIP: LAUNCHING NEW VENTURE (2 Credits)

Learning outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6233 – PSYCHOLOGY & ENTREPRENEURSHIP: LEAN START UP & BUSINESS PLAN (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6234 – PSYCHOLOGY & ENTREPRENEURSHIP: VENTURE CAPITAL (2 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6235 – EES IN NEW MATHEMATICAL BUSINESS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6237 – EES IN NEW FOOD BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6238 – EES IN NEW BUSINESS FOR INTERNATIONAL RELATIONS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6239 – EES IN NEW BUSINESS FOR INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6240 – EES IN BUSINESS EXPERIENCE FOR INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6241 – COMPUTER ENGINEERING PRACTICAL EXPERIENCE II : FOR ENTREPRENEURSHIP - BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6242 – COMPUTER ENGINEERING TECHNICAL ANALYSIS II : FOR ENTREPRENEURSHIP - BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6243 – COMPUTER ENGINEERING TECHNICAL ANALYSIS II : FOR ENTREPRENEURSHIP - LAUNCHING NEW VENTURE (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6244 – EES IN NEW JAPANESE MARKET BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6245 – EES IN JAPANESE MARKET BUSINESS EXPERIENCE (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6246 – EES IN NEW BUSINESS AND INFORMATION SYSTEMS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6252 – ENGLISH FOR EES IN START-UP BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6275 – BUSINESS MODEL FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6281 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6282 – LAUNCHING NEW VENTURE FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6283 – LEAN STARTUP & BUSINESS PLAN FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6284 – VENTURE CAPITAL FOR TECHNOPRENEUR (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6289 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; the ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6290 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6291 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT or Mathematics instead of a

Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; the ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6292 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT or Mathematics instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6293 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6294 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6295 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT or Mathematics instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6296 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6297 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6298 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT or Mathematics instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6299 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6308 – EES IN NEW BUSINESS (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self-Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6309 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6310 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6311 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6313 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6314 – EES IN BUSINESS EXPERIENCE (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6315 – EES IN NEW BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self-Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6316 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6317 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6319 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6320 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6321 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6322 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6323 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6324 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6325 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6326 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution;The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6327 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6328 - BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6330 – BUSINESS START UP (8 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead

of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background. The ability to innovate a creative solution; The ability to apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6336 – BUSINESS MODEL & VALIDATION FOR DESIGN AND CREATIVE BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6337 – LAUNCHING NEW CREATIVE BUSINESS VENTURE (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference)

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6338 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6339 – LEAN START UP & BUSINESS PLAN IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6340 – EES IN NEW VISUAL COMMUNICATION DESIGN BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6341 – EES IN NEW VISUAL COMMUNICATION DESIGN BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing)

Topics: Communication; Self-Management; Planning & Organizing

ENTR6342 – VENTURE CAPITAL IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6344 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6345 – LEAN START UP & BUSINESS PLAN IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; The ability to make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6346 – VENTURE CAPITAL IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in pitching and dealing with Venture Capital. The ability on selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6347 – EES IN ACCOUNTING AND FINANCE BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6348 – EES IN NEW INTERIOR DESIGN BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6349 – EES IN ACCOUNTING AND FINANCE BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6351 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6352 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6353 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6354 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6355 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6356 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6358 – GROWING A BUSINESS (8 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6362 – EES IN BUSINESS EXPERIENCE (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6363 – EES IN CHINESE BUSINESS EXPERIENCE (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6364 – EES IN INFORMATION SYSTEMS BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6365 – EES IN INFORMATION SYSTEMS BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6366 – EES IN INFORMATION SYSTEMS BUSINESS EXPERIENCE (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6367 – EES IN COMPUTER SCIENCE BUSINESS EXPERIENCE (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6369 – EES IN MOBILE APPLICATION AND TECHNOLOGY BUSINESS EXPERIENCE (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6370 – EES IN NEW ACCOUNTING AND FINANCE BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing)

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6371 – EES IN NEW ACCOUNTING AND FINANCE BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6372 – EES IN NEW BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6373 – EES IN NEW CHINESE BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6374 – EES IN NEW INTERIOR DESIGN BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6375 – EES IN NEW VISUAL COMMUNICATION DESIGN BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6376 – EES IN NEW INFORMATION SYSTEMS BUSINESS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6377 – EES IN NEW INFORMATION SYSTEMS BUSINESS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing

ENTR6378 – EES IN NEW INFORMATION SYSTEMS BUSINESS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6379 – EES IN NEW COMPUTER SCIENCE BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6381 – EES IN NEW MOBILE APPLICATION AND TECHNOLOGY BUSINESS (3 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6402 – EES IN NEW ACCOUNTING AND FINANCE BUSINESS (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6405 – EES IN STATISTICS (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real computer science & statistics field work to enhance the soft skills.

Topics: Team work; problem solving & Decision Making; Team work; interpersonal skill.

ENTR6406 – BUSINESS MODEL & VALIDATION FOR DESIGN AND CREATIVE BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6407 – LAUNCHING NEW CREATIVE BUSINESS VENTURE (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6408 – BUSINESS MODEL & VALIDATION IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model on their business idea; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6409 – LAUNCHING NEW ACCOUNTING AND FINANCE BUSINESS (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability in preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6410 – EES IN NEW ACCOUNTING AND FINANCE BUSINESS (4 Credits)

Learning outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6465 - BUSINESS START UP IN HOSPITALITY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding and have an experience in implementing Startup methodology (Build, Measure & Learn) in the business; Make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6466 - BUSINESS MODEL & VALIDATION FOR HOSPITALITY (2 Credits)

Learning Outcomes: On Successful completion of this course, students will obtain: The ability to develop a Business Model in hospitality fields with their ideas; The ability to find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit; MVP (Minimum Viable Product) Validation process.

ENTR6467 - LAUNCHING NEW HOSPITALITY VENTURE (2 Credits)

Learning Outcomes: On Successful completion of this course students will obtain: The ability to find a process of launching new venture; The ability to communicate to their market segment that have a potentially respond based on their validation process. The ability for prepare and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6468 - EES IN NEW HOSPITALITY BUSINESS (3 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6469 - EES IN NEW HOSPITALITY BUSINESS (4 Credits)

Learning Outcomes: On Successful completion of this course student will obtain: The ability on understanding and have an experience in implementing 3 soft skills (Communication; Self-Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

SUBJECT AREA: FILM**FILM6019 – FILM, LITERATURE AND ADAPTATION (2 Credits) (ELECTIVE)**

Learning Outcomes: On successful completion of this course, student will be able to: Compare and contrast a literature adaptation from different eras; Evaluate different films that adapted from different kind of sources; Evaluate the relation between a real event, a literature adaptation on the event and film adaptation based on that literature work.

Topics: The course lets students explore development of styles and expressions in literature as well as in other forms of storytelling and how these developments were translated into visual language. The class also encourages students to study relations between literature, film and real life situation, and how the two mediums can represent reality.

FILM6021 – WORLD FILM HISTORY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Summarise the historical developments of world cinema in the context of both mainstream and independent Cinema; Explain how socio-political, technological, and industrial circumstances have influenced the aesthetics Of cinema at given junctures of history; Explain early cinema, the industrialization of film and recent development in the United States; Explain various kinds of approaches and movements in filmmaking, including Russian Formalism, German Expressionism, and Italian Neorealism; Explain history of third world cinema.

Topics: Introduction : pre-history of cinema; Early Cinematic Origins, and The Infancy of Film; The Pre-Talkies and the Silent Era; French Impressionism and Surrealism (1918-1927); German Expressionism and its today's influence to horror cinema; Soviet Montage (1924-1930); 1930s: The Talkies, the Growth of the Studios and 'The Golden Age of Hollywood'; Neorealism as movement and its Global influence; The French New Wave (1942-1951); The New German Cinema (1966-1982) and Dogma 95; American Indie and New Hollywood; Third world cinema, national cinema, and Diaspora/transnational cinema; Recent development in Asia and Southeast Asia Cinema.

FILM6026 – HISTORY OF INDONESIAN CINEMA (2 Credits)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain the relations between political needs to control the cinema and the need to protect freedom of expression; Explain the origin of aesthetics in the Indonesian cinema; Compare and contrast representations of different cultural and political situation in the Indonesian cinema.

Topics: This class introduces students to development of the Indonesian cinema, from colonial to the political reform era. As any film industries in the third world countries, there are interactions between films, political situations, and the economic conditions. This course explores these interactions, and brings students to understandings of how Indonesian cinema represents the local social and political conditions.

FILM6027 – FILM THEORIES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the nature of film theory and the types of questions it investigate; Describe the characteristics of realist film theory; Describe the characteristics of formalist film theory; Analyze the purpose of film criticism; Demonstrate the ability to develop framework of interpretation; Use semiotics in analyzing film; Practice film analysis & film criticism.

Topics: This class introduces students to some basic film theories and how to read film both as text and in context. Students will be exposed to classical film theories where certain aesthetics concepts were developed to explore characteristics, strengths, & limitations of film medium; followed by the introduction to linguistic turn of film theory and the use of semiotics to analyze film. This class will also introduce certain concepts in contemporary film theories such as psychoanalyst models, feminist models, & ideological models in the practice of film analysis. In discussion, students mainly use varied type of films as study cases.

FILM6030 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the ability to implement stages in film production; Explain their preference in a certain genre and aesthetic style; Apply film's common elements and vocabulary; Evaluate interaction of films elements; Explain this knowledge into their final project; Apply principles of various art and design problems by implementing capabilities in analysis, technologies and equipment applicable to the area of film production in seeking for and implementing appropriate solutions; Create critiques and discussions of their work and the work of others by using appropriate design theories and methods.

Topics: This course is a project based course, where students fully dedicate their time for a film production. Students can be producer, director, scriptwriter, or any technical role, and they can work together as a team with specific role for each student.

FILM6035 - VISUAL WORKSHOP (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create simple audio visual production; Choose suitable application to deal with audio visual elements; Analyze process of audio visual production.

Topics: Introduction to Digital and Film Systems; Before Begin Production; The Video Camcorder; The Lens; The Video Image; The Film Camera; The Film Image; Shooting the Movie; Sound Recording Systems; Sound Recording Techniques; Lighting; Picture and Dialogue Editing; Editing Digital Video; Sound Editing and Mixing; Working with Film Postproduction; Producing and Distributing the Movie.

FILM7037 - SCREENPLAY OF ANIMATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain story & screenplay in animated movies; Describe the elements of story in animated movies; Apply the elements of story to make a screenplay & a storyboard; Create an ideal story through screenplay & storyboard.

Topics: What is a screenplay; Story development in animated movies; Creating story : the subject; Creating story: the character; Beginning & ending of story; Plot point; The scene; Building the storyline; Writing Script; Visual Storytelling; Storyboarding; Animatic, Sound & Vocal track; Animation Screenplay pipeline to create animated movies.

FILM6039 - CINEMATOGRAPHY FOR ANIMATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain of basic principles of cinematography; Apply concept of cinematography to make a good scene; Analyze script to develop a storyboard/ animatic & pre-visualization; Create a good scene/pre-visualization based on storyboard.

Topics: Cinematography Fundamental; Language of the Lens; Image Composition; Color & Light; Lighting Principles; Shots of Visual Interest; Storyboard & Animatic; Pre-Vizualization 1; Pre-Vizualization 2; Directing; Staging & Blocking; Editing Principles; Film Editing.

FILM6044 – FILM LITERACY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify variety of films based on a number of categories such as genres, geographical origins, historical periods, directors, art house or commercial, etc; Identify basic elements in film narratives; Describe relationship between film texts and their social settings.

Topics: This course will introduce students to cinema in general by providing the opportunity to watch curated films and write reviews. As an entry-level course, Film Literacy class brings experiential-based learning process to make students familiar with basic knowledge materials required in other courses taught in film program.

FILM6045 – SOUND & IMAGE (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic sound & image elements; Explain how to control sound & image; Demonstrate the operation of different kinds of sound & image tools in filmmaking; Translate visual elements to express emotions of continuous actions; Recognize the various kinds of technology in production, post-production, and exhibition; Practice operating sound & image tools for filmmaking; Discuss the history of sound & image in filmmaking.

Topics: This course equips students with the basic understanding of sound & image, reinforcing the skills of telling stories using series or sequential images. In this course, students will be introduced to the principles of developing idea and composing scenes. By the end of the course, students should be able to create visual planning and be familiar with using basic filmmaking equipments. The course starts from studying composition, followed by exploring different camera angles, and translating written narrative into shooting plan. Students will learn sound & image techniques and discuss sound & image options of selected storyline.

FILM6047 – SCRIPTWRITING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic storyline structures: three-act, turning point, twist, sub-plot, flashback, etc.; Discuss story structures in screenplays; Explain and apply the basic technique of character development; Distinguish tension in stories; Demonstrate the ability to write film premise, synopsis and treatment; Demonstrate the ability to write a short film script with three acts structure.

Topics: Introduction to the Course; Screenwriting in general; Basic Storytelling: Story Structure, Characters, Conflict; Basic Storytelling: Externalizing the Internal, Time, Dramatization; Protagonist, Objective, Conflict & Obstacle; Premise, Tension & Theme; Unity, Exposition, Characterization; Story Development; Dialogue, Visuals, Dramatic Scene, Rewriting; Film Screening & Discussion.

FILM6048 – PRODUCTION WORKSHOP I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the process of pre-production; Apply basic film production plan using selected script; Use appropriate equipment and software in the creation of budget; Schedule the time allocation needed in making a film; Apply good team work and leadership skills in film production.

Topics: Introduction to Film Production; Research related to the story; Pre-production preparation; Script breakdown; Script breakdown – storyboarding; Making production plan 1; Making production plan 2; Shooting; Editing; Editing 2; Sound & Music; Film Financing & Distribution; Film Screening.

FILM6050 – NARRATIVE DIRECTING (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply advance story structure to a short film script based on reality; Analyze story scene by scene; Explain writer, actor and director perspectives and preferences; Express visual concepts using the elements of mise-en-scene in accordance to its narrative elements; Apply basic skills of directing crews and actors to create a narrative form in filmmaking; Analyze a film to reflect the director's vision; Identify various styles of film directing; Demonstrate the ability to communicate effectively on visual interpretation to actor and film crew; Apply good team work and leadership skills in film production.

Topics: A director is a storyteller. This course introduces directing skills and language in overcoming narrative, dramatic, and visual challenge, preparing students to tell story effectively and expressively. The course will teach various skills on film direction, both theory and practical. Students will be introduced to the fundamental theories of the mise-en-scene, various works and style of other directors screened in class and practice these skills in class and in directing their own projects. The second half of the class focuses more on developing stories and script based on research on students' environment. Students are encouraged to find their own writing style, to study writing structures, development of characters, to explore more in antagonist characters, ambience, dream scenes, climaxes, and ending. The class also encourages students to understand actors and directors perspectives in scene development.

FILM6051 – VISUAL TECHNIQUES (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic skills and knowledge of cinematography; Explain the logic of video and high definition camera; Demonstrate the operation of digital camera; Apply basic knowledge of cinematography to implement aesthetic visual storytelling; Explain different editing dimensions and requirement for different purpose in filmmaking; Use appropriate technologies and software in editing a film; Apply grammar of storytelling, stories' structure and emotion into editing practice; Explain different editing techniques and their development; Practice visual techniques using cinematography and editing in a short film.

Topics: This course introduces students to basic aesthetics of visual techniques such as cinematography and editing, followed by study of collaboration between a director and director of photography, the understanding of visual development of film scripts, and ends with study of aesthetic and creative application of cinematography and editing skills. As editing is the process in filmmaking where the story is put together, students will get a chance to re-write a story based on elements captured during shoot to provide a cohesive viewing experience for the audience. This course introduces basic editing techniques by exploring different styles and purposes of editing. The class discusses organization of footages and experiments on different rhythms and genres. The main objective is students editing ability in conveying clarity in storytelling and creating dramatic moments using scripts that have been developed in the previous semester.

FILM6054 – DOCUMENTARY CINEMA (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss the history of documentary cinema; Explain different approaches, elements & requirements for different kind of documentaries; Demonstrate the ability to write a documentary storyline and a production plan based on a preliminary research; Demonstrate the ability to direct and produce a short documentary.

Topics: The class combines theory and practice, as it introduces students to documentary history, theory, criticism, as well as methods and stages of production, from planning, writing, production, shooting, and post-production. Production workshop leads students to finish a social documentary film assignment that has to be submitted at the end of the semester.

FILM6056 – ADVANCED VISUAL TECHNIQUES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize film lighting as a part of visual storytelling techniques; Analyze the strength and weakness of various works in cinematography and editing; Demonstrate the ability to perform cinematographer and editor duties in their own short films; Define his/her aesthetic breakthrough in a short film; Define different editing techniques; Create a proper post-production workflow; Demonstrate the basic principles of visual effects in editing.

Topics: The course provides exploration of camera movement, artificial and available lights in attempt to understand universal principles of visual language. The course will discuss monumental works of cinematography and various editing

works, as well as class discussion and workshop, followed by study of collaboration between director of photography and editors. Students will study the integration of visual effect and color correction in order to achieve the proper deliverables to reach the professional standard of contemporary director of photography and film editor.

FILM6058 – HOLLYWOOD & GENRE STUDIES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the study of film genre as a perspective in film studies; Describe the historical and contemporary development of film genres; Compare and contrast conventions and styles associated with specific genres; Explain the specific socio-historical circumstances that give rise to the genres; Analyze the use of genre films as a strategy of storytelling in various cases.

Topics: In this course students will engage with variety of Hollywood film genre such as the western, historical epic, the crime story, science-fiction, adventure, etc; as well as the studio system that produces them. Students will also study the variation of genre using in different contexts such as but not limited to art house appropriation of genre.

FILM6059 – GLOBAL CINEMA (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze non-Hollywood cinematic traditions from a variety of historical and social-political circumstances; Explain cinema as a subject of intersections between development of aesthetics, technology and politics; Explain historical formation of film styles and cultures, in both particularly national and global context; Compare and Contrast Hollywood and non-Hollywood tradition; Analyze different modes of interplay among traditions in global cinema.

Topics: In this course, students will study different cinematic traditions beyond Hollywood through historical perspective. Among topics discussed are geopolitics and cinema; Third Cinema and Third World Cinema; Indian Cinema; post-revolutionary cinema in Iran and Russia; postcolonial analysis of film; Post-Soviet Cinema, African Cinema; diasporic cinema.

FILM6062 – FILM CRITICISM & ANALYSIS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Utilize knowledge from filmmaking practice to analyze techniques used in the films studied; Analyze films using knowledge on historical, political, and cultural contexts; Discuss artistic and cultural significance of films studied; Apply different styles and convention of writing criticism; Apply practical skills of writing (composing arguments, evidence, rhetorics, etc.) film criticism in popular media; Apply practical skills of writing film review in academic publication that meets scholarly rigor; Evaluate the editorial standards used in the media; Evaluate the application of knowledge on “contents, concept, and context” in the practice of writings; Evaluate the gap between prior classroom knowledge and internship practice in the report.

Topics: This course requires students to take internship in the media that regularly publish film criticism, in which they will immerse working experience in the media and write popular analysis on films.

FILM6064 – INDUSTRIAL EXPERIENCE FOR FILM (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the use if his/her classroom knowledge in the real industrial situation; Evaluate the internship experience for his/her future career; Evaluate the gap between what learned on the field of film industry and in the classroom; Practice utilizing information and experience from internship to analytical writing in scholarly manners; Apply prior knowledge and skills in a real professional film industry situation; Demonstrate leadership ability and management skill in professional working environment; Demonstrate the team-working ability to collaborate with professionals in film industry; Analyze their own experience on working in a professional environment; Practice making an evaluation report based on their work in film industry.

Topics: Through this off-campus course, students experience a real situation in working closely professionals in film industry to assist them in everyday tasks. The students will be monitored regularly and reflect this experience in an evaluation report.

FILM6077 – PRODUCTION DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the role of the Art Department and the Production Designer on a film set; Analyze the role of design elements and principles in visual storytelling; Formulate a visual concept to support the theme of a film; Apply basic design vocabulary to aid in communicating and collaborating with designers; Recognize the elements, processes and tools required in translating a script into a design; Recognize the proper procedure of running the Art Department for use in their filmmaking professions.

Topics: This course is designed for final year film students to gain an insight into the field of production design. The class starts with analyzing different design concepts that have been used by various directors and designers. It is followed by lectures and discussions on the creative process as well as the practical aspects of production design. Afterwards, students will work on the individual design projects, preferably their own or their peers' final year films. They will go through specific

stages and workshops throughout the second half of the semester and end with a presentation of their completed, applicable design concept.

FILM6078 – NEW MEDIA PRODUCTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use principles of film production to manage new media content production; Practice directing talent and audiovisual element for new media content production; Demonstrate the ability to produce new media content by using proper audiovisual and cinematography-related technology; Practice film production plan for new media content production.

Topics: In this course, students will experience creating audio-visual content for various new media platforms such as web-based audiovisual production by implementing aesthetic exploration and technological consideration. Students will create an online portfolio by creating contents for multiple Internet and mobile platforms for both artistic and commercial purposes.

FILM6079 – INDONESIAN DIRECTOR STUDIES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Utilize methodological skills to produce research on Indonesian film directors; Analyze the artistic, social, and cultural significance of film directors; Discuss styles and techniques employed by particular Indonesian directors using practical knowledge from prior courses; Distinguish individual films made by specific directors.

Topics: Through this course, students will produce new knowledge for Indonesian film directors and write a report on their investigation. Students can study new emerging directors, old masters, as well as minor directors. In doing so, students are expected to explore multiple approaches (interview, library research, archival/documentary research, etc.)

FILM6080 – SOUTHEAST ASIAN CINEMA & POPULAR CULTURE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a brief history of Southeast Asian cinema and popular cultures; Describe important works and figures in Southeast Asian cinema and popular cultures; Connect Southeast Asian cinema and popular culture to the Southeast Asian history and culture; Explain basic political economy condition of the Southeast Asian cinema and popular culture industries; Explain the economic scale of the Southeast Asian local cinema and popular culture industries.

Topics: This course is an introduction to cinema and popular culture in the Southeast Asian region. As part of cinema studies electives, the course discusses film and other popular culture media such as television programs, pop music, or fashion, as art forms as well as texts representing the cultures and people of the region.

FILM6081 – MUSIC FOR FILM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create a sophisticated narrative recording in studio, filled with dialogues and music; Demonstrate the ability to perform the tasks of soundman in film set; Create a sophisticated sound mixing for film; Define his/her aesthetic breakthrough in the sound project.

Topics: The course emphasizes aesthetic and technical sound engineering to listeners' emotion and imagination, identifying effects of the specific medium in comparison to other mediums such as visual and written text. The course also explores the history of sound, different interpretation of audio and discussing different works of various sound engineers, followed by exploration of the role of music in filmmaking.

FILM6082 – ALTERNATIVE DISTRIBUTION AND FILM FESTIVAL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain alternative distributions: art cinema, community screenings, education institution screenings, cine clubs, internet; Explain the importance of cinemathèque; Explain strategies to join film festivals, recognizing different preferences in different festivals; Evaluate various networks of filmmakers, film activists, and film scholars.

Topics: The course discusses channels to spectators and audiences in local and international market, exploring complementary options of conventional film and media distribution system, in Indonesia and abroad. Alternative, independent, experimental, documentary and art cinemas are as much as important as the commercial ones but do not have similar access to distribution.

FILM6083 – VISUAL STORYTELLING ELEMENTS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain filmmaking process from idea to exhibition; Explain elements of film form and narrative: Plot, act, characterization; Explain elements of film style: mise-en-scène, cinematography, editing, and sound; Explain the importance of production design for filmmaking; Explain job description of artistic department in filmmaking process; Apply basic storytelling elements; Discuss the logic of storytelling.

Topics: This is a fundamental film-making course that focuses on storytelling and artistic film elements. Students should be able to demonstrate narrative form and storytelling tools as well as focusing on mise-en-scène elements in relation to film.

They should be able to combine these elements into unity and discuss all job descriptions and the production planning related to their subdivisions. Differences between management systems, Hollywood styles and its alternatives, is one central issue among others. It is a fundamental film theory class that focuses on film artistic and production design. Combination of book reviews, class discussion and various film screenings brings students to be able to use different artistic elements into unity.

FILM6084 – CINEMA & SOCIAL STUDIES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe how society and film influence both ways, and explain theoretical concepts relevant film studies; Demonstrate the ability to produce written or video essay on film & society; Analyze how film represents society and its relationship in between.

Topics: Introduction to cinema and social studies; Representing communities and subcultures; Ideology criticism in cinema; Culture and Economy Globalization; Theories of Class and society; Representation of class in Indonesian cinema; Colonialism/Post colonialism; Orientalism & Decolonizing cinema: Third Cinema; Sex and gender roles in society; Race and ethnicity; Queer identity and cinema; Youth on screen, classic teenage flicks; Youth on screen, case study.

FILM6085 – FILM PRODUCTION INTERNSHIP (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the use of his/her classroom knowledge in the real industrial situation; Evaluate the internship experience for his/her future career; Evaluate the gap between what learned on production set and in the classroom; Practice utilizing information and experience from internship to analytical writing in scholarly manners; Apply prior filmmaking knowledge and skills in a real professional film production situation; Demonstrate leadership ability and management skill in professional working environment; Demonstrate the team-working ability to collaborate with casts and crews in a professional film production; Analyze their own experience on working in a professional film production; Practice making an evaluation report based on their work on and off set of a film production.

Topics: Through this off-campus course, students experience a real situation in working closely with the head of departments to assist them in everyday task of a professional film production. The students will be monitored regularly and reflect this experience in an evaluation report.

FILM6086 - FILM INDUSTRY FOUNDATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the use of his/her classroom knowledge in the real industrial situation; Evaluate the internship experience for his/her future career; Evaluate the gap between what learned on production set and in the classroom; Practice utilizing information and experience from internship to analytical writing in scholarly manners; Apply prior filmmaking knowledge and skills in a real professional film production situation.

Topics: Through this off-campus course, students experience a real situation in working closely with the head of departments to assist them in everyday task of a professional film production. The students will be monitored regularly and reflect this experience in an evaluation report.

FILM6087 - FILMMAKING SKILLS APPLICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate leadership ability and management skill in professional working environment; Demonstrate the team-working ability to collaborate with casts and crews in a professional film production; Analyze their own experience on working in a professional film production; Practice making an evaluation report based on their work on and off set of a film production.

Topics: Through this off-campus course, students apply their filmmaking skills by working closely with the head of departments to assist them in everyday task of a professional film production. The students will be monitored regularly and reflect this experience in an evaluation report.

FILM6088 – DEVELOPMENT OF FILM INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the use of his/her classroom knowledge in the real industrial situation; Evaluate the internship experience for his/her future career; Evaluate the gap between what learned on the field of film industry and in the classroom; Practice utilizing information and experience from internship to analytical writing in scholarly manners; Apply prior knowledge and skills in a real professional film industry situation.

Topics: Through this off-campus course, students experience a real situation in working closely with professionals in film industry to assist them in everyday tasks. The students will be monitored regularly and reflect this experience in an evaluation report.

FILM6089 – FILM INDUSTRY PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate leadership ability and management skill in professional working environment; Demonstrate the team-working ability to collaborate with professionals in film industry; Analyze their own experience on working in a professional environment; Practice making an evaluation report based on their work in film industry.

Topics: Through this off-campus course, students experience a real situation in working closely professionals in film industry to assist them in everyday tasks. The students will be monitored regularly and reflect this experience in an evaluation report.

FILM6090 – FILM ANALYSIS IN SOCIAL AESTHETIC CONTEXT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Utilize knowledge from filmmaking practice to analyze techniques used in the films studied; Analyze films using knowledge on historical, political, and cultural contexts; Discuss artistic and cultural significance of films studied; Apply different styles and convention of writing criticism.

Topics: This course requires students to learn how to analyze films in their social aesthetic context and write popular analysis on films in the media.

FILM6091 – FILM REVIEW IN MASS MEDIA (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply practical skills of writing (composing arguments, evidence, rhetorics, etc.) film criticism in popular media; Apply practical skills of writing film review in academic publication that meets scholarly rigor; Evaluate the editorial standards used in the media; Evaluate the application of knowledge on “contents, concept, and context” in the practice of writings; Evaluate the gap between prior classroom knowledge and internship practice in the report.

Topics: This course requires students to take internship in the media that regularly publish film criticism, in which they will immerse working experience in the media and write popular analysis on films.

FILM6092 – PRODUCTION WORKSHOP II (5 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate collaboration in filmmaking process with creativity and business considerations; Create a film business plan that consider the film industry both nationally and internationally; Demonstrate the ability in pitching and negotiation for a film proposal; Create detailed budget and shooting schedule using budgeting and scheduling software; Manage production and post-production process; Create film promotion material.

Topics: This course focuses on how to manage a film production that is based on the scripts written by the students. Knowledge of film financing and how it applies to our current film industry both nationally and internationally are critical in succeeding as a respectable producer. Therefore, students will collaborate to practice on how to balance creativity and business decision in filmmaking process.

FILM6093 – ADVANCED PRODUCTION WORKSHOP (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain types of genre films; Interpret symbolic scenes to represent real life situation; Use proper writing structure to write a short film script; Discuss strategies on how to sell their script and being a professional scriptwriter; Analyze the story's logic, emotion and motivation; Demonstrate the ability to develop individual directing style; Demonstrate the ability to direct and stimulate actors to perform as naturally as intended by the story; Demonstrate the ability to collaborate with production crews, actors, and production management; Demonstrate the ability to produce, shoot, edit, and deliver a short film.

Topics: This course focuses more on refining students' voices as directors as well as pushing their creativity in all production aspects. At the first half of the class, students will study different kinds of genres and develop their own scripts which will be produced on the other half of the class. This class also introduces students to explore more technical aspects in scriptwriting as well as how to sell their script and being a professional scriptwriter. The second half of the class will expose students to different directing approach as well as giving an opportunity for the students to produce a film based on their scripts. Student will also learn how to explore and evaluate directing skills further by understanding themselves as a director, story and actor's performance, as well as being able to manage crew.

FILM6094 – CULTURAL STUDIES & NEW MEDIA (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain cultural studies as a discipline; Identify research agenda in Cultural Studies; Compare and contrast theories that constitute the basic framework of cultural studies such as the Frankfurt School, Birmingham School, Feminist critique, Postmodernism, Post-Marxism, etc; Analyze cultural texts from a variety of critical perspectives; analyze popular culture both as social practices of meaning-making and in relation to political practice;

Topics: This course will introduce students to critical theories, basic semiology, subculture and counterculture, cultural appropriation, colonialism and decolonialization, and other related theoretical framework and issues studied in Cultural Studies. In doing so, students will be exposed to different text and media (printed, online; visual, narratives, films; music, etc.), discuss their social and political significance and how meanings are constructed, and assigned to do small research about their subject of choice.

SUBJECT AREA: FINC

FINC5044 - FINANCIAL MANAGEMENT (2/2 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Apply theories of accounting and corporate finance; Analyse treasury management and corporate finance techniques; Criticize the financial controls of an organization; Explain, apply and critically evaluate financial accounting management techniques

Topics: Introduction to Financial Management; Fundamental Concepts in Financial Management; Financial Assets; Investing in Long-Term Assets : Capital Budgeting; Capital Structure and Dividend Policy; Working Capital Management and Financial Forecasting; Derivatives and Risk Management; Multinational Financial Management; Hibrid Financial : Preferred Stock, Leasing, Warrants, and Convertibles; Merger and Acquisitions.

FINC5094 - CORPORATE BUDGETING (2 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Explain about the corporate strategy, corporate governance and investment decisions; Describe about the measuring investment value, alternative methods of evaluating capital investments, and capital rationing for capital budgeting, and trends analysis method about sales Budgeting and product budgeting; Analyze about the foreign investments, post completion auditing of capital investments, capital budgeting techniques in practice, estimating project cash flow and capital budgeting inflation, and cash flow budgeting, capital budgeting.

Topics: Corporate Strategy and Investment Decisions; Corporate Governance and Investment Decision; Measuring Investment Value : Free Cash Flow, Net Present Value, and Economic Value Added; Alternative Method of Evaluating Capital Investments; Capital Rationing for Capital Budgeting; Analyzing Foreign Investments; Post completion Auditing of Capital Investments; Capital Budgeting Techniques in Practice : U.S Survey Evidence; Estimating Project Cash Flow; Capital Budgeting and Inflation.

FINC6001 – FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the role and environment of managerial finance and financial statement and analysis; Calculate time value of money and understand risk and return and bond valuation; Apply stocks valuation and capital budgeting process; Calculate cost of capital and Payout Policy.

Topics: Introduction to Managerial Finance; Financial Statement and Analysis; Time Value of Money; Risk and Return; Case and Presentation in Financial Statement Analysis; Interest Rates and Bond Valuation; Stock Valuation; Capital Budgeting Cash Flows; Cost of Capital; Payout Policy; Case and Presentation in Capital Budgeting.

FINC6006 – FINANCIAL MODELING LABORATORY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Spread Sheet Basic for Excel 2013 and Financial Statement; Analyze Cash Budget, Financial Statement, Financial Forecasting, Break Even Point and Leverage; Calculate Time Value of Money, Common Stock Valuation, Bond Valuation, The Cost of Capital, Capital Budgeting, Risk and Capital Budgeting; Apply Portfolio Statistics and Diversification.

Topics: Introduction to Excel 2013; The Basics Financial Statement; The Cash Budget; Financial Statement Analysis Tools; Financial Forecasting; Break Even Point and Leverage Analysis; The Time Value of Money; Common Stock Valuation; Bond Valuation; The Cost of Capital; Capital Budgeting; Risk and Capital Budgeting; Portfolio Statistics and Diversification.

FINC6010 - INTERNATIONAL FINANCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe international finance environment, flow of funds, exchange rate and currency derivatives; Explain exchange rates behaviour, government influence on exchange rates, interest rate parity and inflation, interest rates and exchange rates; Calculate Exchange Rate Risk Management ,Forecasting Exchange Rates, Measuring and Managing Exposure to Exchange Rate Fluctuations; Analyze Financing International Trade.

Topics: Multinational Financial Management; International Flow of Funds; Exchange Rate Determination; Currency Derivatives; Government Influence on Exchange Rates; International Arbitrage and Interest Rate Parity; Inflation, Interest Rates, and Exchange Rates; Forecasting Exchange Rates; Measuring Exposure to Exchange Rate Fluctuations;

Managing Translation Exposure; Managing Economic Exposure and Translation Exposure; Direct Foreign Investment; Financing International Trade.

FINC6019 – INTRODUCTION TO MONEY & CAPITAL MARKET (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain the role of financial market in the macro economic situation and its function. Interest Real and Nominal; Define instrument of money market and preventing financial crisis and roles of central bank both international and Indonesian context; Explain history Capital Market in Indonesia and raising funds through Initial Public Offering; Define Instruments in capital market, Share Trading Mechanism, Share Price Index and Corporate Action.

Topics: Why Study Financial Market; Overview of the Financial System; The Money Market; What Do Interest Mean and What Is Their Role in Valuation; Why Do Financial Institutions Exist?; Why Do Financial Crises Occur and Why Are They So Damaging to the Economy?; Central Banks and the Federal Reserve System; Capital Market Indonesia; Structure Capital Market Indonesia; Go Public; Instruments in Capital Market Indonesia; Share Trading Mechanism and Share Price Index; Corporate Action and Review.

FINC6020 – BUSINESS VALUATION & ANALYSIS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Review The framework for business analysis and strategy analysis; Perform and implement accounting analysis and financial analysis; Analyze investment, cash flow and expanded analysis; Construct Business analysis and valuation applications for credit analysis and merger acquisitions.

Topics: A Framework for Business Analysis and Valuation Using Financial Statement; Strategy Analysis; Overview of Accounting Analysis; Implementing Accounting Analysis; Liquidity of Short-Term Assets; Related Debt-Paying Ability; Long-Term Debt-Paying Ability; Profitability; For the Investor; Statement of Cash Flows; Expanded Analysis; Prospective Analysis : Forecasting; Credit Analysis and Distress Prediction; Mergers and Acquisition.

FINC6022 – TREASURY MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the role of treasury management; Analyze transactions and money movement; Analyze Short Term Financial Planning and Liquidity Management; Apply movement of interest rate, its impact on firm's performance and tools for managing and hedging against interest rate risk.

Topics: Role of Treasury in Global Corporation; Treasury Design and Culture; The movement of Money and Netting; Cash Pooling and Cash Flow Forecasting; Short Term Finance and Planning; Cash and Liquidity Management; Credit and Inventory Management; Why Do Interest Rate Change?; Risk Management for Changing Interest Rates: Asset Liability Management (ALM) and Duration Technique in Financial Industry; Risk Management: ALM tools, Financial Futures, Options, Swaps and other hedging tools.

FINC6023 – BANK AND OTHER FINANCIAL INSTITUTIONS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define money and monetary system, coverage of Bank and sources of bank's fund, allocation of bank's fund; Explain the system of interest rate Indonesian Bank and other services of bank; Describe the role of Indonesia central Bank, Indonesia Financial Services Authority (Otoritas Jasa Keuangan/OJK), the Capital market, Money market and Foreign exchange market; Explain other types of financial institutions in Indonesia such as Leasing, Factoring, Venture Capital, Pegadaian, Koperasi Simpan Pinjam, Insurance, Pension Funds and International Financial Institutions.

Topics: Money and monetary system; The work coverage of bank and sources of bank's fund; The allocation of bank's fund; The Interest rate of Indonesian Bank; Other bank services; The role of Indonesian Central Bank; Indonesia Financial Services Authority (Otoritas Jasa Keuangan/OJK); The Capital market, Money market and Foreign exchange market; Other Financial Institutions : Perum Pegadaian dan Koperasi Simpan Pinjam; Other Financial Institutions : Leasing, Factoring and Venture Capital; Other Financial Institution : Insurance Companies; Other Financial Institution : Pension Funds; International Financial Institutions.

FINC6073 - LAB TRADING SIMULATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Basic Concept Future Contracts, Forward Contracts, History of Futures Markets and History of Options Markets; Mechanics of Future and Option Markets; Calculate the Hedging Strategies on Futures, Options; Calculate the other instrument : SWAP and Derivatives; Explain the basic concept in technical analysis; Apply the advanced techniques in technical analysis and practical trading tactics.

Topics: Introduction to Derivatives, Option and Futures; Mechanics of Future Market and Mechanics of Option Markets; Hedging Strategies Using Futures; Trading Strategies Involving Options; Options on Stock Indices and Currencies; Swaps; Credit Derivatives; Basic Principles and The Market Cycle Model & Basic Trend Identification; Support & Resistance and Introduction to Candle Stick Charting; Price Patterns & Price Patterns for Traders; The Ups & Downs of Trend Lines and Moving Average; Principles of Momentum and Key Momentum Indicators; Practical Trading Tactics.

FINC6133 – PRINCIPLE OF ACCOUNTING AND FINANCE IN HOSPITALITY (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Interpret the principle of accounting and financial in hotel operations; Discover the hospitality accounting as an organization business process; Calculate the basic elements of financial statements; Practice the basic tools of accounting in hotel operations report.

Topics: Principle of Accounting and Finance; The Uniform System of Accounts and Financial Reporting; Basic Accounting Equation; Exercise on Basic Accounting Equation; Hospitality Accounting Department Organization; Application and Exercises on Hotel Accounting Business Process; Hotel Business Transaction; Exercises on Hotel Business Transactions; Fundamental Assumptions of Accounting; Financial Statement Presentation an International Perspective; Financial Statement; Application and Exercises on Financial Statement; The Recording Process; Exercise on Technique of Journalizing and Posting; The Trial Balance; Exercise on Trial Balance; Adjusting the Account; Alternative Treatment of Prepayments; The Income Statement and Balance Sheet; Exercise - Income Statement and Balance Sheet; Financial Statement Analysis; Ratio Analysis; The Statement of Cash Flows; Exercise on Statement of Cash Flows; Inventories and Cost of Goods Calculation; Application and Exercises on Inventory.

FINC6135 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; apply the related Finance theory to solve real business cases; manage scarce resources to accomplish the task.

FINC6136 – ACCOUNTING & FINANCE IN PRACTICE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in gathering information across different departments in the organization to prepare management reports; gain experiences in preparing management reports; Gain experiences in communicating reports to stakeholders.

FINC6137 - EES IN INDUSTRIAL EXPERIENCE (1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Work in the dynamic team with tight deadline and less tolerance of errors; Communicate effectively with different type of persons; Prepare and present extensive reports.

FINC6138 - PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; apply the related Finance theory to solve real business cases; manage scarce resources to accomplish the task.

FINC6139 - ACCOUNTING, FINANCE & INVESTMENT IN PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: gain experiences in analyzing financial condition of a company; gain experiences in accessing the market, economic and business trends for company; gain experiences in helping management to give recommendation for financing and investment decision.

FINC6140 - EES IN PROFESSIONAL EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Work in the dynamic team with tight deadline and less tolerance of errors; communicate effectively with different type of persons; Solving the problem with creative and innovative solutions; Prepare and present extensive reports.

FINC6143 - FINANCIAL MANAGEMENT IN HOSPITALITY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the financial and accounting management in hotel operations; Classify the financial statement for analysing the organization performance; Criticize the costs, the price, the revenue and the ratio analysis on financial statements; Examine the analytical of financial management in hotel operations.

Topics: Introduction to Management Accounting; The Balance Sheet; The Profit and Loss Account Statement; Adjustment to The Balance Sheet and The Profit and Loss Account; The Cash Flow Statement; Analyzing Financial Statements; Performance Review Process on Ratio Analysis; Management of Working Capital; Cost Management; Pricing and Revenue Management; Cost-Volume-Profit Analysis; Internal Control; Forecasting.

FINC6149 - INTRODUCTION TO FINANCIAL MARKET (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the role of financial market in the macro economic situation and its function; Define instrument of money market and preventing financial crisis and roles of central bank both international and Indonesian context; Explain history Capital Market in Indonesia and raising funds through Initial Public Offering; Define Instruments in capital market, Share Trading Mechanism, Share Price Index and Corporate Action.

Topics: Why Study Financial Market; Overview of the Financial System; The Money Market; What Do Interest Mean and What Is Their Role in Valuation; Why Do Financial Institutions Exist?; Why Do Financial Crises Occur and Why Are They So Damaging to the Economy?; Central Banks and the Federal Reserve System; Capital Market Indonesia; Structure Capital Market Indonesia; Go Public; Instruments in Capital Market Indonesia; Share Trading Mechanism and Share Price Index; Corporate Action and Review.

FINC6150 - INVESTMENT FUNDAMENTALS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand the Investment theory; Explain the return and risk and Portfolio Theory; Explain the sector/industry, company and technical analysis; Explain the stock and bond portfolio.

Topics: Investment theory; Investment alternatives; Indirect Investing; Securities market; Regulations and trading practices in financial market; Return and risk; Portfolio theory; Portfolio selection; Asset pricing principles; Sector/industry analysis; Company analysis; Technical analysis; Stock Valuation; Managing stock portfolio; Fixed income securities; Managing bond portfolio; Evaluation on Investment Performance.

FINC6154 - DIGITAL BANKING AND FIN-TECH (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define Money and monetary system; Explain banking and other financial institutions services; Explain digital banking services; Explain financial innovation product.

Topics: Money and monetary system; The work coverage of bank; The role of Indonesian Central Bank; and Indonesia Financial Services Authority (Otoritas Jasa Keuangan/OJK); Banking product and services; Other Financial Institutions : Leasing, Factoring and Venture Capital; Other Financial Institution : Insurance Companies; Pension Funds; Mobile and Tablet Banking; Peer to peer Lending; Retail and digital wallet; Big Data and open platforms Cryptocurrency and Bitcoin.

FINC7007 – CORPORATE FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain The Function of Managerial Finance and The Financial Market Environment; Calculate Time value of money, Financial Ratios and Cash Flow; Analyze The Risk and Return, Valuation of Bonds and Stock; Apply Calculation of Cost of Capital, Capital Budgeting Cash Flow and Techniques for Decision Making; Evaluate Long Term Financial Decision on Dividend Payout Policy and Capital Structure and Short Term Financial Decision on Working Capital Management and Current Liabilities Management; Evaluate Special Topics in Managerial Finance on Mergers, Business Failure and Derivatives Securities.

Topics: Introduction to Managerial Finance: The Role of Managerial Finance; Introduction to Managerial Finance: Financial Market Environment; Financial Tools: Time Value of Money; Financial Tools : Financial Statements and Ratio Analysis; Financial Tools: Cash Flow and Financial Planning; Risk and The Required Rate of Return: Risk and Return; Valuation of Securities : Interest Rates and Bond Valuation; Valuation of Securities: Stock Valuation; The Cost of Capital: The Cost of Capital; Long Term Investment Decision: Capital Budgeting Cash Flows; Long Term Investment Decision : Capital Budgeting Techniques; Long Term Financial Decision: Payout Policy; Long Term Financial Decision: Leverage and Capital Structure; Short Term Financial Decision: Working Capital and Current Asset Management; Short Term Financial Decision: Current Liabilities Management; Special Topics in Managerial Finance: Mergers and Business Failure; Special Topics in Managerial Finance: Derivatives Securities.

FINC7047 - CORPORATE FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain The Function of Managerial Finance and The Financial Market Environment and Propose the showcased potential business project and Propose the Showcased Potential Business Project; Calculate Time Value of Money, Financial Ratios and Cash Flow; Analyze The Risk and Return, Valuation of Bonds and Stock; Apply Calculation of Cost of Capital, Capital Budgeting Cash Flow; Evaluate Leverage and Capital Structure, Working Capital and Current Asset Management and Current Liabilities Management; Evaluate Special Topics in Managerial Finance on Mergers, Business Failure and Derivatives Securities.

Topics: The Role of Managerial Finance and The Financial Market Environment; Customer Insight and Market Analysis; The Time Value of Money; Financial Statements and Ratio Analysis; Business Environment; Risk and Return; Interest Rates and Bond Valuation; Stock Valuation; The Cost of Capital; Product/Services Development; Capital Budgeting Techniques;

Capital Budgeting Cash Flow; Payout Policy; Prototyping Product; Leverage and Capital Structure; Working Capital and Current Assets Management; Current Liabilities Management; Merger, LBOs, Divestitures, and Business Failure; Design Process; Hybrid and Derivative Securities; Evaluation Products/Services.

FINC8071 - INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the Investment theory, asset allocation and efficient capital markets; Apply valuation principles of stocks and bonds; Apply stock and bond portfolio management strategies; Explain derivative securities and alternative assets.

Topics: Overview of the Investment Process; The Asset Allocation Decision; Customer Insight and Market Analysis; Analysis of Financial Statements; Business Environment; Macroanalysis and Microvaluation of the stock market; Industry analysis; Company Analysis and Stock Valuation; Bond Fundamentals & Valuation of bonds; Design Process; Introduction to Portfolio Management; Introduction to Asset Pricing Models; Equity Portfolio Management Strategies; Bond Portfolio Management Strategies; Product/Service Development; Evaluation of Portfolio Performance; Option Contracts; Forward and Futures Contracts; Prototyping Product; Professional Money Management and Alternative Assets; Evaluating Product/Services.

SUBJECT AREA: FOOD

FOOD6001 - FOOD CHEMISTRY (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe about fundamental concepts and chemical principles of macro components (water, carbohydrates, Lipids, and proteins) related to matter and its interactions, the historical development, composition, and structure; Describe about fundamental concepts and chemical principles of micro components (vitamins, minerals, pigments, flavors, food additives, and toxic components) related to matter and its interactions, the historical development, composition, and structure; Identify the chemical reactions principles that involving food components and their application during processing, handling, and storage; Identify about the food contaminants which covers the types of contaminants, the sources of contaminants, their health implications, the processes by which they contaminate food products, and methods for their detection and control; Measure about the food components both of macro components and micro components, and contaminants in food.

Topics: Introduction to food chemistry; water; Amino Acids, Peptides and Proteins; Carbohydrates; Fats, oils and other lipids; Vitamins; Minerals; Flavor and active Compounds; Pigments and Other Colorants; Antinutritional, Toxic and Other Bioactive Compounds; Food Additives; Food Contaminants.

FOOD6002 - CHARACTERISTICS OF FOOD MATERIALS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain about the characteristics of food component (physical properties, chemical, physiologist, and functional properties) and relationship with the changes that occur during processing, storage, and utilization of food as the sources of carbohydrates, starches, and fibers; Explain the characteristics of food component (physical properties, chemical, physiologist, and functional properties) and relationship with the changes that occur during processing, storage, and utilization of food as the sources of protein; Identify the characteristics of food component, physical properties, chemical, physiologist, functional properties, and relationship with the changes that occur during processing, storage, and utilization of food as the sources of fat, oils, and related products such as food emulsions and foaming agents; Identify the fundamental concepts of food component (physical properties, chemical, physiologist, and functional properties) and relationship with the changes that occur during processing, storage, and utilization of baked products, Sugar-based confections, sweeteners, cacao, or their products; Analyze the fundamental concepts of food component (physical properties, chemical, physiologist, and functional properties) and relationship with the changes that occur during processing, storage, and utilization of beverages such as coffee and tea, spices and herbs or the other products.

Topics: Starches in Food : Roots and Tubers, and their Products as source of starch; Cereals, Grains, legumes and their Products; Vegetables and Fruits; Proteins in food : Meat, poultry, and dry beans; fish and seafood; Eggs and Egg Products; Milk and Milk Products; fat, oils, and related products; Food Emulsions and Foams; confectionary, sweeteners, cocoa, and their products; Baked Products : Batters and Dough; beverages; Spices and Herbs.

FOOD6003 - FOOD ANALYSIS (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Distinguish the basic principle of variety techniques of analysis commonly used to analyze foods; Explain the chemical properties which underlying the properties and reactions of various food components; Perform various types of techniques and methods of food analysis to specific food components; Apply basic statistical principles in food analysis applications (sampling and analysis).

Topics: Introduction to Food Analysis; Compositional Analysis of Foods; Chemical Properties and Characteristics of Foods; Spectroscopy; Chromatography; Physical Properties; Microbial Detection.

FOOD6004 - SENSORY EVALUATION (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the sensory attributes, control for room and product test; Explain the principles and how to perform the sensory technique : Difference test, descriptive analysis, affective test; Select and perform an appropriate statistical methods to analyze the results of the various sensory techniques; Interpret the results of sensory analysis for quality control requirements of a food product.

Topics: Introduction to Sensory Techniques; Threshold and Panel Member; Differences Tests; Descriptive Analysis Techniques; Affective Tests; Statistical Methods; Sensory Evaluation in Quality Control.

FOOD6005 - FOOD ADDITIVE, FOOD LAW AND FOOD REGULATION IN FOOD INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand the types of food additives, the functions of food additives and its used

Topics: Types of food additives, food additives function, how to use additional materials, food additives regulation, application case studies of food additives, examples of products that use the BTP, BTP policy makers and distributors.

FOOD6007 - FOOD MICROBIOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze food safety problems and solution, microbial growth kinetic and measurement and intrinsic and extrinsic factors affecting the growth of microbes in foods; Classify microorganisms and recognize their role in the food production; Distinguish the roles of bacteria, mycotoxin, viruses and parasites to foodborne diseases, and compare pathogens that cause infection and intoxication; Examine the use of sanitation, heat treatment, irradiation, modified atmosphere, antimicrobial preservative and hurdle concept to control microbial growth.

Topics: Introduction to Microbes in Foods; Characteristic and Factors Influencing Microbial Growth; Microbes in Food Environment; Microbiology of Fermented Food Production; Beneficial Uses of Microorganisms in Food; Microbial Foodborne Intoxication and Infection; Microbial Foodborne Pathogens; Microbial Food Spoilage; Control of Microorganisms in Foods; Microbial detection methods and food safety.

FOOD6008 - FOOD MICROBIOLOGY LABORATORY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Recognize the fungi, yeasts, pathogens and spoilage micro essential for food products and growth conditions; Explain the environmental factors that affect microbial growth; Practice and perform microbiological analysis techniques to identify microbes in food; Apply the principles of various techniques of handling and processing and its influence on the quality of food products.

Topics: Fish Microflora: Basic Microbiological Techniques and Standard Plate Counts; Microscopic Examination of Yeast, Mold, and Bacteria; Enumeration of Yeasts and Molds from Foods; Coliforms and Escherichia coli from Water: Most Probable Number Methods and 3M® Petrifilm™; Detection and Identification of Salmonella spp; Enrichment MPN of Vibrio parahaemolyticus from Shrimp; Methods for the Detection and Concentration of Bacteriocins Produced by Lactic Acid Bacteria; Maintenance of Lactic Acid Bacteria; Enumeration of spores from Peppers; Cleaning and Sanitation; Fermentation of lactic acid in food preservation (making product); Fermentation of lactic acid in food preservation (analysis lactic acid bacteria); Fermentation of lactic acid in food preservation (enumerate lactic acid bacteria).

FOOD6010 - FOOD QUALITY ASSURANCE (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Interpret the basic principles of food quality assurance; Perform the variety of statistical methods used in quality control; Identify responsibilities, key process, and technique required in fulfilling the standards (good practices, HACCP, ISO 9001, ISO 22000 and halal assurance system); Construct the business plan and evaluate the business model.

Topics: Introduction to Quality; Profiling Customer of the Business; General concepts about food quality Management; Who are Our Next 10 Customers?; Total Quality Management; High Specifications of the Business; Statistical Methods of Quality Control; Quality Assurance; Quantifying the Value Propositions of the Business; Quality Assurance 2; Where is Your Positions?; Halal Assurance System; Designing Business Model of the Business.

FOOD6011 - HYGIENE, SANITATION AND SYSTEM QUALITY IN FOOD INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand the basic principles of hygiene and sanitation in food industry, and able to used the operational standards GMP and SSOP as food safety prerequisite in Industry/environment.

Topics: The courses discuss about the Definition and role of hygiene and sanitation in food industry, and the source of contamination prevention techniques, water requirements for processing, environmental sanitation and hygiene of workers involved in the treatment process. In addition to the knowledge of the management of agricultural waste management, fisheries, and the importance of education for workers engaged in food processing.

FOOD6012 - BASIC FOOD BIOCHEMISTRY (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain how ATP is synthesized via glycolysis, the TCA cycle, and mitochondrial electron transport and explain how macronutrients and micronutrients in food are synthesized and degraded; Breakdown how the properties and interactions of different food components modulate the specific quality attributes of food, and breakdown the general concepts of biotechnology, what enzymes are, how they allow for metabolism and its regulation and what are their advantages in food processing; Identify biochemical alterations in food components during handling, processing and storage and perform various biochemical/enzymatic techniques used in food analysis.

Topics: Introduction to Food Biochemistry and Biochemistry; Principles of Human Metabolic Regulation; Carbohydrate and Glycobiology of Foods; Amino acids, Oligopeptides, Polypeptides and Protein; Lipids, Fats and Oils; Dietary Supplements: Vitamins and Minerals; Natural Food Pigments; Food Additives, Allergens and Toxicants; Biotechnology and Enzymology; Application of Enzymes in Food Technology; Biochemistry of Food Processing: Browning Reactions; Biochemical Alteration in Food Components During Handling, Processing and Storage; Principles of Analytical Techniques in Food Biochemistry.

FOOD6013 - METABOLISM OF FOOD COMPONENTS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the digestive system: the structure of digestive tract, absorption, coordination and regulation of the digestive process; Explain macronutrients (carbohydrates, protein, fat, water) and their metabolism: digestion, absorption, distribution and transport, deficiencies and excess of consumption; Explain micronutrients (vitamins, minerals) and their metabolism: digestion, absorption, transport and regulation, possibility interaction with other micronutrient, recommended dietary allowance, deficiencies and excess of consumption.

Topics: Digestive system; Carbohydrates and the metabolism; Fiber: dietary fiber and functional fiber; Proteins and the metabolism; Lipids and the metabolism; Water and electrolytes; Water-soluble vitamins and the metabolism; Fat-soluble vitamins and the metabolism; Major minerals and the metabolism; Essential trace minerals and the metabolism; Non-essential trace minerals and the metabolism.

FOOD6014 - NUTRITION AND BIOLOGICAL EVALUATION OF FOOD COMPONENT (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the stability of nutrients and principle of food processing; Explain the effects of food processing (freezing, heat processing, moisture removal, fermentation, food additives and ionizing) on nutrient and toxicant resulting from food processing; Explain the stability of nutrient during storage of packaged foods; Explain the effects of preparation and service of food on nutrients; Explain the concept and application of nutrification, legal aspects and nutrient analysis, relation between food, nutrition and disease.

Topics: Concept of bioavailability; Stability of nutrient and principle of food processing; Effect of food processing on nutrient (freezing, heat processing, moisture removal, fermentation, food additives and ionizing); Toxicant during food processing; Stability of nutrient during storage of packaged foods; Effect of preparation and service of food on nutrients; Nutrification and legal aspect; Nutrient analysis; Food, nutrition and related diseases.

FOOD6015 - INTRODUCTION TO FOOD TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a basic knowledge about food science and technology (the chemical, biological, and physical principles) which happen at raw material products and food products suitable for human consumption; Illustrate analysis of makro and micro nutrient into food product or raw material product with instrumental method; Apply the Food Engineering and Food biotechnology in food processing; Identify the phenomes which happen during processing and packaging; Identify the nutrition value of food products; Explain the principles of food safety and food quality assurance and legislation.

Topics: Introduction and Background; Food chemistry; Food Microbiology; Food biochemistry; Food physics; Food analysis; Food engineering; Food biotechnology; Food processing; Food packaging; Nutrition; Food Safety; Quality assurance and legislation.

FOOD6019 - FOOD PROCESSING TECHNOLOGY (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Interpret Interpret the principles of food processing technologies from plant and animal sources; Perform the food processing technologies frequently used in commercial practices; Define the business model and explain the defined business model.

Topics: Cereal, Tuber And Bean Processing Technologies; Dairy Processing Technology and its Derivatives; Market Segment; Ideation; Visual Thinking; Fruits and Vegetables – Processing Technologies and Application; Fat and oils; Aquatic food product; Meat Processing Technology; Prototyping; Story Telling; Creating Scenarios; Bread And Other Yeast-Risen Products; Poultry Processing and product; Beverage Processing Technology; Confectionery Product Processing Technology.

FOOD6020 - INTEGRATED FOOD PROCESSING LABORATORY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe about the basic concepts of simple processing units to produce food products covers the formation of a work team of the organization in the company, supporting facilities, raw materials, process technology and its parameters that needed in production process; Practice about the production process (including testing of the final product, and implementation of the principles of food safety system and hazard system) and process of food product registration in BPOM, LPPOM-MUI, etc; Identify about the simple processing units to produce food products covers the formation of a work team of the organization in the company, supporting facilities, raw materials, process technology and its parameters that needed in production process; Calculate of production costs and pricing, marketing and distribution strategy; Evaluate and reporting of business activity in laboratory and industrial visit.

Topics: Introduction; Preparation and organization of the company Business plan; Industrial Visit; The food product design and plant design; The production process; Sanitation control and quality control in production process; Marketing strategy and product marketing trials; The HACCP plan preparation and implementation; Simulation process of product registration (BPOM, LPPOM-MUI and Health); Evaluation and reporting of business activity.

FOOD6021 - FOOD PACKAGING AND STORAGE TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Evaluate the fundamentals of packaging materials and several innovative packaging processes for developing advanced food packaging; Choose the right packaging for a particular food product; Predict shelf life of foods and food deterioration with theory of kinetics.

Topics: Introduction to food packaging; Barrier properties of thermoplastic polymers; Food Packaging Materials; Labelling, sealing, regulation, and safety of food packaging; Modified atmosphere packaging; Active and intelligent packaging; Aseptic packaging of foods; Packaging of horticultural products, snacks and beverages; Packaging of flesh and dairy products; Kinetics: Shelf life of packaged foods; Kinetics: deteriorative reactions in foods.

FOOD6022 - UNIT OPERATION IN FOOD PROCESSING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental concepts of operation units in food industry: Use physical and mathematical formula during process; Analyze the basic concepts, terminology and theories of units and dimensions, energy balances, material balances; Select food material based on size reduction, flow of fluids, separation and concentration of food components, and heat processing treatments.

Topics: Introduction to Unit Operations: Fundamental Concepts; Units and Dimensions (1); Units and Dimensions (2); Material Balances (1); Material Balances (2); Energy Balances (1); Energy Balances (2); Flow of Fluids; Mechanical separation and concentration of food components (1); Mechanical separation and concentration of food components (2); Size Reduction; Heat processing (1); Heat processing (2).

FOOD6023 - BIOPROCESS TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Integrate the fundamental calculations in the bioprocess engineering (mass & energy balances, heat & mass transfer) with proper knowledge in fluid flow and bioprocess unit operations to design several equipments needed in the area of bioprocess engineering; Analyze the bioprocess engineering fundamental calculations (mass & energy balances, heat & mass transfer); Evaluate the proper unit operations suitable for a bioprocess plant factory (fluid flow, unit operations).

Topics: Introduction to bioprocess engineering and engineering calculations; Data analysis in bioprocess engineering; Material balance in bioprocessing; Energy balance in bioprocessing; Fluid flow and mixing; Heat transfer in bioprocess operations; Mass transfer in bioprocess operations; Unit operations in bioprocessing.

FOOD6024 - RESEARCH METHODOLOGY & SCIENTIFIC WRITING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Adopt academic writing by mastering essential grammar for writing scientific report, proposal, manuscript for scientific publication and scientific presentation; Write proposal development for thesis work; Integrate the knowledge in research methodology and scientific writing to write a scientific report; Integrate academic writing, audiovisual and body language for scientific presentation.

Topics: Academic Publication; Research Article; Getting your manuscript published; Developing discipline-specific English skills; Essential Grammar in Academic Writing; Citation and References; Report Writing; Academic Essay Writing; Writing Research Proposal; Academic Presentation.

FOOD6025 - EXPERIMENTAL DESIGN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analyze some statistical tools that would be important for hypothesis testing and analysis of variance; Assess some statistical tools and analysis of variance for designing two- or three-level factorial design; Integrate the knowledge of the two- or three-level factorial design into the real

life or experiments in the laboratory in order to achieve an optimum state of experiments (time-saving, resources-efficient manner).

Topics: Introduction; Statistical tools; Hypothesis testing; ANOVA (analysis of variance); Two-level factorial design (2k design); Two-level fractional factorial design (2k-n design); Three-level factorial design (3k design).

FOOD6026 - INNOVATION AND CREATION OF FOOD PRODUCT (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Translate idea into innovation through research and development; Design process and food product; Integrate innovation, legal aspect, IPR and commercialization.

Topics: New product Development; Research and Innovation in Food Product Development; Product Design (Lecture & Assignment); Process design; Shelf Life Testing; Legal Aspect of Food Product Development; Intellectual Property Right; Economic Aspect; Presentation of New Product Development (Lecture & Practice).

FOOD6027 - PLANNING AND PLANT DESIGN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Create a theoretical food plant with logical and critical way of thinking; Design a theoretical food plant that is projected to be profitable and feasible to be built; Construct a theoretical food plant with detailed technical aspects.

Topics: Introduction; Economics of food plant design; Considerations in food plant design; Mass and energy balances in food plant; Reactor and reaction engineering in food plant; Separation techniques for food plant; Heat transfer in food plant; Utilities and piping in food plant.

FOOD6028 - FUNCTIONAL FOODS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain about the basic concept of functional foods, nutraceuticals, and the connection between nutrition and health, and then regulation and legislation about of functional foods; Describe about the bioactive properties of major nutrients (Carbohydrates, proteins, lipids, polyphenols) and impact of processing on the bioactivity of functional and nutraceutical ingredient in foods; Illustrate about the role of major food types (dairy product, soybean, fish, fruits, vegetables, and miscellaneous foods), probiotics, prebiotics, and synbiotics in health promotions; Interpret about the new technologies for functional food manufacture.

Topics: Introduction; Bioactive Carbohydrates; Bioactive Lipids; Bioactive peptides; Bioactive polyphenols and Carotenoids; Dairy Product and Fish; Soybean; Fruits and Vegetables; Miscellaneous foods and food components; Probiotics and Prebiotics ; Impact of Processing on the Bioactivity of functional and nutraceutical ingredient in foods; New Technologies for functional food manufacture.

FOOD6030 – THESIS & SEMINAR (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Improve technical skills of students in the form of research or internship field of food technology in the food industry or government agencies related to the field of food according to interests of students.

Topics: How to get started, literature review, proposal writing, research design implementation and completion of the study, followed by pendadaran before the thesis examination and the examination team. This activity is completed selama 40 per credit hour, equivalent to 6 credits. Thesis is a monograph based on the work of the implementation of the research (in the form of experiments and surveys) or scientific report of internship activities are equipped with library research, under the guidance of Supervisor.

FOOD6031 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify and solve problems in the food industries; Apply skills that has been acquired during the classes/courses in the Food Technology department if necessary; Provide extensive reports/documents

Topics: Project in Food Industries

FOOD6032 - COMMUNICATION SKILLS IN FOOD INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify appropriate communication for the application in the food industries; create the communication strategy; demonstrate effective communication in the food industries.

Topics: The goals of communication; Making sure the audience receives the message; Making sure the audience pay attention to the message; Making sure the message is understood; Making the message to be credible; Making the message memorable; Making sure the audience acts on the message; Persuasive and ethical communication; Speech; Presentation on the product knowledge; Online communications; Awareness raising; Audience analysis; Situation analysis.

FOOD6035 - FOOD SAFETY MANAGEMENT SYSTEM (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the types of hazards in food and how to prevent it; Explain the basic principle of food products are safe for consumption; Apply the principles and techniques of handling and food technology to make food products are safe for consumption; Identify the types of food analysis related to food safety according to the type of food products; Formulate control, quality assurance and traceability system of food products based on the principles of food science.

Topics: History and Overview of Food Safety; Biological Hazards, their significance and control; Foodborne Toxic and Physical Agents; Food Safety Management; Plant sanitation and hygiene; Risk Assessment and Hazard Analysis of Foods; Laboratory Methods for Food Safety; Food Traceability.

FOOD6039 - PROFESSIONAL EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify and solve problems in the food industries; Apply skills that has been acquired during the classes/courses in the Food Technology department if necessary; Provide extensive reports/documents

Topics: Professionalism practice in the Food Industries practices

FOOD6040 - FOOD ANALYSIS IN FOOD INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand the basic concepts in food analysis: includes physical, chemical, microbiological, biochemical analyses of food and other.

Topics: This course discusses the principles of chemical, physical and microbiological analyses of foods. Sample pre-treatment (size reduction, filtering), techniques of sampling, extraction techniques. A brief description of conventional and modern analytical techniques. Understanding of qualitative and quantitative analysis techniques in food analysis. The principles of macro and micro component analyses of foods (proteins, carbohydrates, fats, water, vitamins, minerals, pigments, antioxidant ingredients, anti-nutritional substances, food additives, and toxins analysis). The basic principle and application of chromatography, electrophoresis, and ELISA in food analysis. Application materials and microscopic analysis of food products. General method of preparation of samples for chemical and physical analysis. The Extraction technique, centrifugation, chromatography and other.

FOOD6041 - WORK ETHICS IN FOOD INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: obtain working experience in the field work of food industries to enhance the soft skills.

Topics: Team work; Problem solving; Interpersonal skill.

FOOD6042 - PRINCIPLES OF FOOD ENGINEERING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain about basic principles and application of the unit operations such as units and dimensions, material and energy balance, and thermodynamics in processing engineering and preservation of food which is based on understanding of chemistry, physics, and mathematics; Illustrate about principles of psychrometrics, mass transfer and membrane separation with its application in food processing; Apply about concepts of fluid flow and heat transfer with its application in food processing; Apply about basic concepts of food preservation processes and storage for preserve food materials, eliminating harmful pathogens present in the food, and minimizing or eliminating spoilage microorganism and enzymes for shelf life extension; Calculate process in the design process of evaporation and dehydration in the system of food processing.

Topics: Introduction; Fluid Flow in Food Processing; Heat transfer in food processing; Preservation Processes; Refrigeration; Food Freezing; Dehydration; Evaporation; Psychrometrics; Mass transfer and membrane separation.

FOOD6043 - PRINCIPLES OF FOOD PROCESSING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain About fundamental concepts including the principles of chemistry, microbiology, physic and engineering in food processing (animal, plant, and marine materials) into intermediate or finished value-added food products that are safer to eat, nutritious, and good quality; Apply The concepts of operation units (heat and mass transfer, separation process) and thermophysical properties such as thermal properties and kinetics in food processing. Apply about concepts of common principles of food preservation and processing technologies (such as pasteurization, sterilization, drying, chilling, freezing, fermentation, and nanotechnologies) which can be used to preserve food materials, eliminating harmful pathogens present in the food, and minimizing or eliminating spoilage microorganism and enzymes for shelf life extension; Identify About food processing methods which can be used for processing of plant materials such as fruit and vegetables, crops, cereal, fat-oil (non animal), and of animal materials such as milk and dairy, egg, meat and poultry and fish into value-added food products that are safe to eat, nutritious, and good quality in food industry.

Topics: Introduction to Principles of Food Processing; Principle of Thermal Processing; Separation and Concentration Technologies in Food Processing; Drying and preservation technology of intermediate moisture foods; Chilling and Freezing Process of Foods; Fermentation and Enzyme Technologies in Food Processing; Nanotechnology: Principles and Selected Applications for Food Technology; Basic Processing of Crops-Cereals; Principle Processing of Fruit and Vegetables; Principle Processing of Milk and dairy; Principle Processing of Eggs and Egg Products; Principle Processing of Fat and Oil; Principle Processing of Aquatic Food Products; Principle Processing of Meat and Poultry processing.

SUBJECT AREA: GAME

GAME6001 – INTRODUCTION TO GAME TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Classify the fundamental concepts and terminologies of Game Development; Adopt method to involve the workflow of Game Development; Discover relevant information as discipline understanding the requirements for game development.

Topics: History and Society of Games; Game Designer; Game Writing and Interactive Storytelling; Visual Design; 3D & Texture Mapping; Character Animation; Programming Fundamentals; Game Architecture; Artificial Intelligence; Networking and Multiplayer; Game Production and Management; Marketing; Intellectual Property Content, Law, and Practice.

GAME6002 – GAME DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain general game theories; Explain game development process; Create game design documentation; Create an appropriate game design.

Topics: Understanding Player and Machine; Designing and Developing Games; Money from Game; Concept and World; Creative and Expressive Play; Character Development; Storytelling; User Experience; Gameplay; Core Mechanics; Design Issues for Online Gaming; Game Balancing; General Principles of Level Design.

GAME6004 - OBJECT ORIENTED GAME PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe object oriented programming and its main features; Differentiate the distinction between conventional programming and object oriented programming; Design a program or game model using main features of object oriented programming; Construct a program or game using main features of object oriented programming.

Topics: Introduction to Object Oriented Programming; Array and Method; Control Structure; Encapsulation; Inheritance; Polymorphism; Collection, Files, Streams, and Object Serialization; Introduction to visual object oriented programming; Visual object-oriented design; Visual object-oriented game programming; Visual object-oriented game advance programming; Game publishing; OOGP in industry.

GAME6026 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create a Game Project as a final task. Students will be given a large time schedule to prepare and create a pipeline of development. It starts from the pre-production until the post-production of the game. Students will also need to write the report into a thesis report.

Topics: Game Project; Game Design; Game Programming; Game Art; Game Management.

GAME6061 – GAME INDUSTRY EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply knowledge gained in the classroom to solve practical real-world problems in a professional setting.

Topics: Professional Skills; Creative Skills; Industry Awareness; Career Preparation.

GAME6062 - GAME DEVELOPMENT PRACTICE IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply knowledge gained in the classroom to solve practical real-world problems in a professional setting and prepare for real career in global industries or become technopreneur.

Topics: Professional Skills; Creative Skills; Industry Awareness; Career Preparation; Professional Project; Start Up Incubation; Final Project.

GAME6063 - EES IN GAME DEVELOPMENT EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communication Skills; Problem Solving Skills; Team Work Skills; Interpersonal Skills.

GAME6064 - GAME RESEARCH IN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of Game Research Quest in Industry, student will be able to: produce game art, game design; Build games apps both mobile, web, console, desktop in industry.

Topics: Game Art Concept; Game Design Concept; Game Programming Concept; Storyboarding; Game Story; Level Design; Modeling and animation.

GAME6066 - GAME PRODUCTION IN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Practice and produce games using appropriate methods in industry.

Topics: Game Concept; Game Pre-Production; Game Production; Game Post-Production.

GAME6067 - EES IN GAME INDUSTRY (3 Credits)

Learning Outcomes: The primary goal of an EES in Game Industry is to provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communication Skills; Problem Solving Skills; Team Work Skills; Interpersonal Skills.

GAME6069 - GAME PROGRAMMING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the process of game development using a game engine; Demonstrate how to implement game design to game programming; Identify appropriate methods to develop a game; Develop game using a game engine.

Topics: Introduction; Game Engine Environments; CoreUI: Introduction; CoreUI: Implementation; Inventory GUI: Introduction; Inventory GUI: Implementation; 2D Animation: Introduction; 2D Animation: Implementation; Creating Maps and Materials: Introduction; Creating Maps and Materials: Implementation; Using Cameras: Introduction; Using Cameras: Implementation; Lights and Effects; Lights and Effects; Controlling 3D Animations; Controlling 3D Animations; Character Game Objects; Character Game Objects; Playing and Manipulating Sounds; Playing and Manipulating Sounds; Improving Games with Extra Features and Optimization; Improving Games with Extra Features and Optimization; Third Party Tools and Resources; Third Party Tools and Resources; Review and Project Presentation; Review and Project Presentation.

GAME6070 - STORYBOARDS & CONCEPT ART (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create Asset preparation for Game Production; Design the Process to Create Art in Game production; Identify appropriate methods to design a game; Design storyboard for game.

Topics: Basic Game Design Art; Creating Game Layout Charts; The Thumbnail Sketch; The Storyboard; Drawing Storyboards; Level Layouts; Illustrating Environments; Quick Character Sketches; Creating Character Illustrations; Creating Character Model Sheets; Designing GUI; The Design Document; Review.

GAME6071 - 3D MODELING FOR GAMES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct a low-poly 3D model; Apply texture for 3d model; Modify shape and settings to create other game objects; Discover several methods to solve creating models.

Topics: Introduction to 3D Modelling; Polygon Editing; Modifier & Polygon Optimization; Bio & Hard Surface Modelling; Unwrapping & Tile Texturing; Map Baking; Handpainted Texture; Keyframe & Motion; Rigging; Inverse Kinematic; Bone Animation; Animation Curve & Simulation; 3D Integration & Common Technical Issue.

GAME6073 - GAME TOOLS DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic principle of game tool development; Design architecture of a tool for game development; Create a tool for game development.

Topics: Introduction: What is Toolset?; Introduction: Examples of Commercial Toolsets; Planning; Development Phases of a Tool; Measurement Metrics for Tool Quality; Fundamentals of User Interface Design; Distributed Componential Architecture Design; Unit Testing with NUnit; Compressing Data to Reduce Memory Footprint; Protecting Sensitive Data with Encryption; Implementing a Checksum to Protect Data Integrity; Overview of Database Access with ADO.NET; Techniques for Graphical Tools 1; Techniques for Graphical Tools 2; Techniques for Network Tools; Techniques for Legacy Interoperability; Techniques to Improve Performance 1; Techniques to Improve Performance 2; Techniques to Enhance Usability 1; Techniques to Enhance Usability 2; Techniques to Increase Productivity 1; Techniques to Increase Productivity 2; Techniques for Deployment and Support 1; Techniques for Deployment and Support 2; Project Presentation; Review.

GAME7045 - MOBILE & WEB GAME PROGRAMMING (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply best practices of mobile and web game development; Apply game design and marketing techniques to boost mobile game performance; Produce game in mobile and web platform; Design game monetization and business model.

Topics: Introduction to Mobile and Web Game Development; Mobile and Web Game Customer Insight and Market Analysis; Mobile and Web Game Design UX; Mobile and Web Game Design Workshop; Mobile and Web Game UX Workshop; Graphics for Mobile and Web Game; Game Idea Review; Audio for Mobile and Web Game; Graphics and Audio for Mobile and Web Game; Mobile and Web Prototyping Concepts; Prototyping Workshop; Prototype Review; Mobile and Web Game Marketing; Marketing Workshop; Best Practice of Mobile and Web Game Programming; Mobile and Web Game Business Model; Business Model Workshop; Mobile and Web Game Monetization; Ads implementation; IAP Implementation; State of The Art of Web and Mobile Game; Mobile and Web Game Analytics; Analytics Implementation; Game Progress Review; Mobile and Web Game Publishing; Game Publishing Workshop; Review; Final Game Review.

SUBJECT AREA: HTMN

HTMN6001 - INTRODUCTION TO HOSPITALITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the principles of hospitality; the characteristic, the focus on service, and the sustainability; Classify various types of hospitality industry; its business and its operations; Outline the standard requirements for various hospitality establishments; Describe the functions and the responsibilities of major departments in hotel industry; Recognize the current and the future trends in hospitality industry.

Topics: Hospitality in Perspective; Hospitality Industry Philosophy; Hotel Business; Hotel Classifications I; Hotel Classifications II; Hotel Standard Requirements; Star Hotel Standard Requirements; Non- Star Hotel Standard Requirements; MICE (Meeting, Incentive, Convention and Exhibition); Special Events; International Hotel I; International Hotel II; Indonesia Hotel I; Indonesia Hotel II; Restaurant Business; Restaurant Operations; Restaurant Standard Requirements; Star and Non Star Restaurant Standard Requirements; Front of the House of Hotel I; Front of the House of Hotel II; Organization Structure for Front of the House of Hotel; Back of the House of Hotel I; Back of the House of Hotel II; Organization Structure for Back of the House of Hotel; Sustainable Hospitality; Managing Hospitality.

HTMN6002 - INTRODUCTION TO TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the principle of tourism, its components, benefits, costs, impacts, and attractions; Describe the principle and the implementation of Global Code of Ethics for Tourism; Classify various interest type of tourism; Outline the principle of tourism sustainable programs.

Topics: Tourism in Perspective; Global Code of Ethics for Tourism (Principle 1-5); Global Code of Ethics for Tourism (Principle 6-10); Indonesia Tourism; Indonesia Tourism Development; Passenger Transportation; Tourism Impacts; Tourism Attractions; Various Interest of Tourism I; Various Interest of Tourism II; Various Interest of Tourism III; Accessible Tourism; Sustainable Development of Tourism.

HTMN6003 - WORKPLACE, HYGIENE, SAFETY AND SECURITY FOR HOSPITALITY (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify knowledge and procedure of occupational hygiene, health, safety and security in the workplace; Describe HACCP principles and prerequisite programs for food safety, compliant with Indonesia as well as International regulation and certification; Explain security and safety management system in tourism and hospitality industry; Apply personal hygiene and International food safety standards.

Topics: Occupational Hygiene; Occupational Health; Food Safety; Foodborne Illnesses and Food Allergens; Food Defense; International Food Safety Icons (Icons 1- 6); International Food Safety Icons (Icons 7-11); Food Safety Certification and Organization; HACCP: Introduction; HACCP Principle 1; HACCP Principle 2; HACCP Principle 3; HACCP Principle 4 & Principle 5; HACCP Principle 6 & Principle 7; Safety Management System; Personal Protective Equipment; Risk Management; Crisis Management; Security Management System I; Security Management System II; Ergonomics I; Ergonomics II; Workplace Health Hazards; Pest Control and Waste Management; Indonesia Regulation for Safety and Security (K3- (Kesehatan Keselamatan Kerja); Indonesia Regulation for Safety and Security (Ketenagakerjaan).

HTMN6004 - INTRODUCTION TO FOOD PRODUCTION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify food and kitchen safety procedure; Explain about basic principles of cooking and cooking methods; Classify the characteristics of various ingredients and perform correct handling of the ingredients.

Topics: Introduction To the Profession; Sanitation and Safety; Basic Principles of Cooking; Cooking Methods; Breakfast preparation; Basic Stocks, Sauces and soups; Garde Manger; Meats and Game Cookery; Poultry and Game Birds; Fish and Shellfish; Vegetables; Food Presentation and Garnish; Bakeshop Production & Patisserie.

HTMN6005 - INTRODUCTION TO HOTEL OPERATION SERVICE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Underline the different opportunities within the Hotel Operation Services industry; Recognize the type of establishment in Hotel Operation Service; Illustrate an understanding about the Hotel Operation Service; Analyze the current and future trends on the Hotel Operation Services industry.

Topics: Introduction to Restaurant Industry; Restaurants and their owners; Restaurant concept, location and design; The Menu and planning and Equipping the Kitchen; Introduction to Front Office Department; Reservation Section; Guest Relation Officer and Butler Service; Relation between Front Office department and Housekeeping Department; Introduction to Housekeeping Department; Areas of HK responsibilities; Guest Room section; Room classification and facilities; Introduction to Laundry.

HTMN6006 - ROOMS DIVISION OPERATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define basic knowledge and technical details of housekeeping, front office and laundry operations as a sections of a rooms divisions department in hotel industry; Demonstrate technical details and procedures of housekeeping, front office and laundry operations as a sections of a rooms divisions department in hotel industry; Apply housekeeping, front office and laundry daily operations as a sections of a rooms divisions department in hotel industry.

Topics: Introduction to Rooms Division Operation; Rooms Division Operation Practice; Basic Front Office Operation; Front Office Practice; Basic Housekeeping Operation; Housekeeping Practice; Basic Laundry Operation; Laundry Practice; Front Office 1; Front Office 2; Front Office 3; Front Office 4; Front Office 5; Front Office 6; Front Office 7; Front Office 8; Housekeeping 1; Housekeeping 2; Housekeeping 3; Housekeeping 4; Housekeeping 5; Housekeeping 6; Housekeeping 7; Housekeeping 8; Laundry 1; Laundry 2.

HTMN6007 - FOOD AND BEVERAGE SERVICE OPERATION (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Define Students will be able to define Food and Beverage Service in Hotel Operations; Explain Students will be able to explain Food and Beverage Service in Hotel Operations with their duties and responsibilities; Practice Students will be able to practice and apply the basic activities and also standard operation procedures in Food and Beverage Service.

Topics: The Food Service Industry; Introduction to Restaurant and Bar System, Lay out, Equipment and Utensils, Standard Operation Procedures, Point of Sales System (MICROS); Staff attributes, skills and knowledge; Restaurant and Bar Operation; Food and beverage service areas and equipment; Restaurant and Bar Operation II; The menu, menu knowledge and accompaniments; Restaurant and Bar Operation, Sales Techniques, Cost Control, Methods of Payment; Beverages – non-alcoholic and alcoholic; Restaurant and Bar Operation, The Menu; The service sequence (table service); Restaurant and Bar Operation, Banquet and Function; The service sequence (selfservice, assisted service and single point service); Restaurant and Bar Operation, The art of cooking; The service of breakfast and afternoon tea; Restaurant and Bar Operation, Breakfast, Room Service, Understanding the guest; Specialised forms of service; Restaurant and Bar Operation, The study of beverages; Enhanced service techniques; Platter service; Events; Gueridon Service; Supervisory aspects of food and beverage service; Flambéing; Supervisory aspects of food and beverage service II; Buffet Service.

HTMN6008 - KITCHEN OPERATION (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify Standard principles in the use and care of kitchen equipment and utensils; Describe Personal hygiene and sanitation as required by the food service; Practice Entry-level technical skills and basic knowledge required in kitchen operation; Demonstrate Basic knowledge of the preparation of soups, stocks, sauces, cutting, baking and cooking techniques, food quality and characteristics.

Topics: Basic Equipment, tools and Cutting Method; Stock, sauce and dressing; Breakfast Menu; South American Cuisine; German Cuisine; Spanish Cuisine; French cuisine; Italian Cuisine; Platter Service; English Service; Flambé; Gueridon service; Buffet Menu.

HTMN6011 - CULINARY ART (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate art of culinary; Create food display; Design culinary presentation.

Topics: Vegetable Carving; Fruit Carving; Ice Carving; Gelatine Artistic; Janur; Pre Final.

HTMN6024 - HOUSEKEEPING MANAGEMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the skill and knowledge; Explain the housekeeping terminology and the element of room division; Classify storing and handling chemical.

Topics: Introduction to Housekeeping Management; The Executive Housekeeper as Department Manager; Organization of Housekeeping Department; Management of Inventory Equipment; Characteristic of Housekeeping equipment and Supplies; Laundry Room Management; The Cleaning Function; Personnel Administration; Controlling Operations; Safety, Security, and Infectious Disease in Property Operations; Energy and Water Conservation in Lodging Properties; Environmental Management and Sustainability; Review.

HTMN6033 - INDUSTRIAL EXPERIENCE IN CULINARY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the task of student internship in Hospitality Industry; Apply hospitality Industry knowledge in professional practice; Analyze differences between theories and professional practice.

Topics: Introduction to Internship; The Scope of Work in Internship; Firm Working System; The Task of Student Internship in Project; Job Description; Job Analysis.

HTMN6034 - EES IN CULINARY (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Contribute in team and good discipline.

Topics: Contributing to Teams; Problem Solving & Decision Making; Time Management; Introduction to Revenue Management.

HTMN6035 - FOOD PREPARATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate cooking preparation.

Topics: Cook helper level and rolling at every section (Butcher, Vegetable, Garde Manger, Hot Kitchen) or Banquet Kitchen; Buffet runner, preparation and production of bakery and cake.

HTMN6036 - INDUSTRIAL EXPERIENCE IN HOTEL OPERATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the task of student internship in Hospitality Industry; Apply hospitality Industry knowledge in professional practice; Analyze differences between theories and professional practice.

Topics: Introduction to Internship; The Scope of Work in Internship; Firm Working System; The Task of Student Internship in Project; Job Description; Job Analysis.

HTMN6037 - EES IN HOTEL OPERATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Contribute in team and good discipline.

Topics: Contributions to Team; Problem Solving & Decision Making; Time Management.

HTMN6038 - OPERATIONAL SKILL IN HOTEL OPERATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate Hotel Operation and Services.

Topics: Food and Beverage Department (Waiter/Waitress, Hostess, Bartender, Wine Server, Banquet Server, Barista) Front Office Department (Concierge Staff, Front Desk Assistant, Guest Relation Officer, Bell Boy, Business Center Staff, Reservation Staff, Lobby Lounge Server, Telephone Operator, Executive Club Server) Housekeeping Department (Housekeeping Attendant, Laundry Staff, Linen Staff, Housekeeping Order Taker, Housekeeping Supervisor).

HTMN6039 - PROFESSIONAL EXPERIENCE IN CULINARY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the task of student internship in Hospitality Industry; Apply hospitality Industry knowledge in professional practice; Analyze differences between theories and professional practice.

Topics: Introduction to Internship; The Scope of Work in Internship; Firm Working System; The Task of Student Internship in Project; Job Description; Job Analysis.

HTMN6040 - LEADERSHIP IN CULINARY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Make decision on handling his station at any situation.

Topics: Contributing to Teams; Problem Solving & Decision Making; Time Management; Introduction to Revenue Management.

HTMN6041 - FOOD PRODUCTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Cook many kind of food and pastry without any supervision.

Topics: Production Soups, sauce, roast and decoration of pastry and bakery; Purchasing, Kitchen Admin.

HTMN6042 - PROFESSIONAL EXPERIENCE IN HOTEL OPERATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the task of student internship in Hospitality Industry; Apply hospitality Industry knowledge in professional practice; Analyze differences between theories and professional practice.

Topics: Introduction to Internship; The Scope of Work in Internship; Firm Working System; The Task of Student Internship in Project; Job Description; Job Analysis.

HTMN6043 - LEADERSHIP IN HOTEL OPERATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Contribute in team and good discipline.

Topics: Contributions to Team; Problem Solving & Decision Making; Time Management.

HTMN6044 - MANAGERIAL SKILL IN HOTEL OPERATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate Managerial skills in Hotel Operation and Services.

Topics: Human Resource Department, Sales and Marketing Department, Finance and Accounting Department, Corporate Office, Management Trainee.

HTMN6046 - AUTHENTIC INDONESIAN CUISINE (2/4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Indonesian Herbs & Spices; Explain traditional cooking methods and various Indonesian regional dish; Use Traditional equipments and utensil; Demonstrate preparation and cooking process of Indonesian regional dish.

Topics: Introduction Indonesian Herbs Spices and Traditional equipment and utensil; Cooking Methods, basic Indonesian Paste, various Indonesian Sambal; Acar and Side dish; Various Indonesian Appetizer; Various Indonesian Soto; Cooking Rice; Sumatra Dish+Sweet Dish; Kalimantan Dish+Sweet Dish; Sulawesi dish+Sweet Dish; Maluku+Sweet Dish; Bali and Nusatenggara +Sweet Dish; Jawa and Madura+Sweet Dish; Tumpeng.

HTMN6047 - ADVANCE IN PASTRY AND BAKERY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the baking formula and baker's percentage; Produce Custards, creams, mousses, and soufflés that meet production standards; Create their own cake and decoration that meet production standards.

Topics: Baking formulas and bakers' percentages; Advanced yeast breads and rolls; Quick breads and cakes; Custards, creams, mousses, and soufflés; Frozen desserts; Filled and assembled cakes and tortes; Individual pastries; Chocolates and confections; Décor; Wedding and specialty cakes; Dessert presentation; Buffet.

HTMN6049 - RESTAURANT SERVICE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Wine, beer, spirit and liqueurs; Explain food and wine pairing; Demonstrate wine, beer, spirit and liqueur service.

Topics: Introduction to Wine; Wine Storage and service; Wine from International Grapes; Wines from white grapes; Wine from Black Grapes; Sparkling and Fortified wine; Beer, Spirit and Liqueurs; The Role of Sommelier; Food and wine Pairing; Cellar Management and product research; Wine List Creation and Menu Matching; Understanding Wine Fault; Review.

HTMN6051 - CROSS CULTURE STUDIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the impact of cultural patterns on intercultural communication; Identify the central contexts in health, education, business, and tourism in which intercultural communication occurs; Illustrate cultural identity and the role of cultural biases.

Topics: Introduction to Intercultural Competence; Culture and Intercultural Communication; Intercultural Communication Competence; Cultural Patterns and Communication: Foundations; Cultural Patterns and Communication: Taxonomies; Cultural Identity and Cultural Biases; Verbal Intercultural Communication; Nonverbal Intercultural Communication; The Effects of Code Usage in Intercultural Communication; Intercultural Competence in Interpersonal Relationships; Episodes, Contexts, and Intercultural Interactions; The Potential for Intercultural Competence; Review.

HTMN6053 – HOTEL FRONT OFFICE MANAGEMENT (2/4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Hotel Management, Organization chart, and Job responsibility; Illustrate an understanding about the Front Office department; Analyse guest cycle and guest service.

Topics: Introduction to Hotel management; Effective Interdepartmental Communication; Property Management Systems and Guest Registration; System wide Reservation; Revenue Management; Managing the financial; Guest check out; Preparation and Review of the Night Audit; Managing Hospitality; Training for the Hospitality; Promoting In-House Sales; Security; Executive Housekeeping.

HTMN6055 - HOTEL AND RESORT MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify mountain based, beach based and golf/tennis based resort; Explain guest profile and management issue for each type of resort; Differentiate managing resort hotel and regular hotel.

Topics: Resort: An Introduction; Mountain-Based Resort: The Impact of development on Operation; Mountain-Based Resort: Managing The operation; Beach resort and Marina: The Impact of development on Operation; Beach resort and Marina: Managing The operation; Golf/Tennis-Based resort: The Impact of development on Operation; Golf/Tennis-Based resort: Managing The operation; Resort Operation: The Importance of Recreational Amenities; The Uniqueness of timeshare Resort Operation; Resort Operation: The Importance of Guest Activities; Resort Operation: The Importance of Retail; Spas, Pools, Indoor Waterparks and Specialty Resort; Cruise ships and Casino.

HTMN6057 - REVENUE MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain purpose of Business and purpose of revenue management; Classify price concept from the perspective of a seller and buyer; Examine how demand forecast affect decision on hotel room and services pricing.

Topics: Introduction to Revenue Management; Strategic Pricing; Value; Differential Pricing; The Revenue manager's Role; Forecasting Demand; Inventory and Price Management; Distribution Channel Management; Evaluating of Revenue Management Effort in Lodging; Revenue Management for FB Service; Evaluating of Revenue Management Effort in FB service; Specialized Application of Revenue Management; Building Better Business.

HTMN6058 - HOSPITALITY WORK PLACEMENT (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have working experience in the hotel industry that will complement their classroom theory, develop their practical skills in the working environment and be able to apply them effectively, gather information and experience to both enrich and enhance the learning process.

Topics: Introduction to Internship; Rules and regulation; Job Description; Job desk; The Task of Student Internship in Project.

HTMN6059 - CULINARY PREPARATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: explain about safety in the kitchen and do a good mise n'place.

Topics: Introduction to kitchen SOP; Work effectively and efficient; Job desk of cook helper; Kitchen section.

HTMN6060 - EES IN CULINARY INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Do a good team player.

Topics: Work effectively with others; Problem solving and decision making.

HTMN6061 - HOSPITALITY APPRENTICESHIP (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have working experience in the hotel industry that will complement their classroom theory, develop their managerial skills in the working environment and be able to apply them effectively, helps in the process of decision making, begin valuable contacts for future employment/business.

Topics: The Scope of Work in Internship, managerial skill, identify the workplace issue, problem solving and decision making.

HTMN6062 - CULINARY PRODUCTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create a variant product independently.

Topics: Appetizer; Soup; Main course; Dessert.

HTMN6063 - EES IN HOSPITALITY INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify work issue and find out how to solve the problem.

Topics: Professional goals; Time management; Problem solving; Decision making.

HTMN6064 - OPERATIONAL SERVICE IN HOSPITALITY INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: demonstrate operational service in Hospitality Industry.

Topics: Introduction to rules and regulation each service department, job description, job desk.

HTMN6065 - FRONT LINER SKILLS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to demonstrate the front liner skill.

Topics: Food and Beverage Department (Waiter/Waitress, Hostess, Bartender, Wine Server, Banquet Server, Barista); Front Office Department (Concierge Staff, Front Desk Assistant, Guest Relation Officer, Bell Boy, Business Center Staff, Reservation Staff, Lobby Lounge Server, Telephone Operator, Executive Club Server); Housekeeping Department (Housekeeping Attendant, Laundry Staff, Linen Staff, Housekeeping Order Taker, Housekeeping Supervisor).

HTMN6066 - MANAGERIAL SKILLS IN HOSPITALITY INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate Managerial skills in hospitality Industry.

Topics: Human Resource Department; Sales and Marketing Department; Finance and Accounting Department; Corporate Office; Management Trainee.

HTMN6067 - LEADERSHIP IN HOSPITALITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Contribute in team, good discipline, and demonstrate leadership skill.

Topics: Professional goals; Time management; Problem solving; Decision making.

SUBJECT AREA: INTR**INTR6001 - INDONESIA IN PERSPECTIVES (4 Credits)**

Learning outcomes: On successful completion of this course, student will be able to: Identify actors and systems of Indonesian politics and economy; Explain Concepts and theories to explain Indonesian politics and economy; Illustrate important periods and issues on Indonesian politics and economy; Analyze contemporary Indonesian politics and economy issues.

Topics: Introduction to Indonesia in Perspective; Basic Political Concepts; Political Ideologies; Indonesian Political System; Political Institutions; Election: A Journey Toward Democracy; Democratisation in Indonesia: Challenges and Opportunities; Indonesian Social and Cultural Issues; Introduction to Economics and Macroeconomic Policy in Indonesia; Social economic issues in contemporary Indonesia; Indonesia current and economic development; Indonesian foreign policy under President Jokowi; Review.

INTR6002 - INTRODUCTION TO INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify the International Relations' issues and actors; Describe the International Relations' basic concepts and perspectives; Apply the acquired knowledge into case studies; Analyze the international affairs based on International Relations perspectives.

Topics: Understanding International Relations; Globalization and Global Politics; Realism in International Relations; Liberalism in International Relations; Group Project in International Relations; Structuralism/Globalism in International Relations; Constructivism in International Relations; Global Finance and Global Trade as Agendas in International Relations; Global Environment as Agendas in International Relations; Global Security Issues in International Relations; Regionalism in International Affairs; Guest Lecture/Movie Screening in International Relations; Review of International Relations Issues.

INTR6003 - MODERN WORLD HISTORY (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify debates on the origins of the modern interstate system; Describe the causes and consequences of the First and Second World War; Analyze the political and economic dynamics that characterize the Cold War era; Analyze the political and economic dynamics that characterize the post Cold War world order.

Topics: Why History Matters?; The Renaissance and the Reformation in Europe; The emergence of the Modern Interstate System; The Road to the First World War; After the War: How it ended; The Great Depression; The Twenty-Year Crisis; On the Brink of the Second World War; The Battlefield: The Second World War; Picking Up the Pieces; The Rise of the Bretton Woods Institutions; The Age of the Cold War; The Cold War Heightened; Cuban Missile Crisis; Détente of the 1970-1990; The Second Cold War; Decolonization and Development; The Birth and Rise of the People's Republic of China; The End of the Cold War; The Post-Cold War World Order; Challenges to US Hegemony.

INTR6005 - INTRODUCTION TO INTERNATIONAL TRADE AND BUSINESS (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify the history of the development of the international trade during the Golden Age until the 21 Centuries and the growing of international business activities; Explain the main perspectives on international political economy and theories of international trade and business; Illustrate the governments' international trade and business policies and their influence on global economy; Analyze the international trade and business phenomena and their contemporary development of today.

Topics: Introduction to International Trade and Economy; Globalisation and Its Discontent; The Golden Age and The Success Stories of The Golden Age; The Collapse of the Established Order and The Return to Protectionism; International Trade and The World Economy: Mercantilism, Absolute Advantage; Comparative Advantage; International Trade and The World Economy: Neo-mercantilism, Heckscher-Ohlin theory, Product Life Cycle, New Trade Theory, Hegemonic Stability Theory; Structuralist Perspective on International Political Economy; The Relevance of Structuralist Today; An Overview of International Investment; Theories of Foreign Direct Investment; Introducing the Bretton Woods System: IMF, World Bank and GATT; From GATT to WTO; Government Policy: Tariff Barriers; Government Policy: Non-Tariff Barriers; New Agenda in IPE: Multinational Corporations as Agents of International Trade and Business; New Agenda in IPE: Regionalism; An Overview to International Business; Legal, Technological, and Political Force; Country Differences; Ethics and Social Responsibility in International Business; The Foreign Exchange and International Financial Market; The International Monetary System and Exchange Rate; Strategy of International Business; Entry Strategy and Strategic Alliances; Paper Presentation I; Paper Presentation II.

INTR6006 - INTRODUCTION TO SECURITY STUDIES (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Identify key concepts in the field of Security Studies; Describe several theories as well scholars in the field of Security Studies; Explain contemporary security issues and policy options made by the state in international as well as domestic level; Integrate theory and empirics in an innovative and methodologically sound way in explaining security issues in both historical and contemporary issues.

Topics: Introduction to Security Studies; Realism in Security Studies; Liberalism in Security Studies; Constructivism and Other Approaches in Security Studies; Exercise I; Institutions in International Security; Peace Operations; Crime, Terrorism, and Insurgency; Exercise II; Energy Security; Exercise III; Human Security; Environmental Security.

INTR6007 - INTERNATIONAL RELATIONS RESEARCH METHOD (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify the theoretical principles on which scientific research is based; Describe the theoretical principles and the differences between various theoretical principles on which scientific research is based; Apply qualitative and quantitative social science method in International Relations research; Analyze International Relations issues and literature using qualitative and quantitative research design.

Topics: Integrating Theory; Foundations of Social Research: What is Social Research Method?; Foundations of Social Research: Research Process; Social Science Research Method: Qualitative; Social Science Research Method: Quantitative; Social Statistics; Research Question and Research Design; Designing Research Question in IR (1); Literature Review; Designing Research Question in IR (2); IR Research Method (1): Participant observation; IR Research Method (2): Focus groups; IR Research Method (3): Interview; IR Research Method (4): Survey; IR Research Method (5): Ethnography; IR Research Method (6): Case studies; Constructing Hypothesis; Integrating the Methods; Reading and Writing International Relations Research.

INTR6008 - MODERN THEORIES OF INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Describe similarities and differences between major International Relations theories; Explain major theories of international relations; Apply theoretical frameworks to understand contemporary international relations issues; analyze the behaviour of actors in international politics in light of IR theories.

Topics: Introduction to IR Theories; (Classical) Realism and Neorealism; Liberalism and Neoliberalism; Neorealism Vs. Neoliberalism; Rational Choice Theory; Game Theory; Game Theory in Practice; Movie Screening/Guest Lecture; Structuralism/Globalism; Domestic Politics; Constructivism; Feminism; Critical Theory; Review and Paper Presentation.

INTR6009 - DIPLOMACY AND INTERNATIONAL POLITICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe historical development of diplomacy in international relations since the early age until the 21st century; Explain theoretical foundation of diplomacy in International Politics; Analyze diplomatic affairs and cases using theoretical approaches; Apply the acquired theories of diplomacy in practice through simulation and role play.

Topics: Introduction to Diplomacy and International Politics; History of Diplomacy; The Politics of Diplomacy in Present day; The Art of Negotiation and The Actors; Diplomacy and Ethics on the practice of Diplomacy; Multi-track Diplomacy; Designing Position Paper and Workshop on Position Paper; Role Play Bilateral Negotiation; Guest Lecture: Indonesia's Diplomacy in the Global Stage; Role Play Bilateral Negotiation in Economic Issue; Role Play (ASEAN Model); Role Play (UN Security Council Model); Role Play as a Head of Delegates or Head of States.

INTR6010 - INDONESIA'S FOREIGN POLICY (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify basic concepts and relevant approaches in foreign policy analysis; Describe general theories of geopolitics, power and bureaucracy in foreign policy analysis; Describe special factors of Indonesia's foreign policy, such as the historical contexts, ideological roles, democratic factors, and the role of Islamic identity; Explain Indonesia's foreign policy in bilateral, regional, multilateral, security and defense, economic relations, non-traditional security, and transnational issues.

Topics: Introduction to Foreign Policy Analysis and Foreign Policy in International Relations; Level of Analysis in Foreign Policy Decision Making; Understanding models of decision making in Foreign Policy Analysis I; Understanding models of decision making in Foreign Policy Analysis II; Factors Affecting Foreign Policy Decisions; Public Opinion, Media and Foreign Policy; Impact of International Politics to Indonesia's Foreign Policy; Bebas Aktif (Independent and Active) Foreign Policy; Geopolitics and Foreign Policy; Indonesia's Geopolitics and Foreign Policy; Indonesia's Foreign Policy under Soekarno-Hatta Administration; Indonesia's Foreign Policy under Soeharto Administration; Indonesia's Foreign Policy under BJ Habibie and Abdurrahman Wahid Administration; Indonesia's Foreign Policy under Megawati Soekarnoputri Administration; Indonesia's New Foreign Policy under SBY Administration : 'Thousand friends zero enemy'; Indonesia's Foreign Policy under Joko Widodo Administration; Islam, Politics and The state in Indonesia; Islam and Indonesian Foreign Policy Under Sukarno, Soeharto and post Soeharto; Democracy in Indonesia's Foreign Policy; Indonesia and Foreign Relations : Bilateral Context; Indonesia and Foreign Relations : Regional Context; Indonesia and Foreign Relations : Multilateral Forum; Indonesia's Foreign Policy Strategic Issues 1 (Security); Indonesia's Foreign Policy Strategic Issues 2 (Economic); Indonesia's Foreign Policy Strategic Issues 3; Indonesia's Foreign Policy in Transnational Issues : Climate Change.

INTR6017 - FOREIGN POLICY OF DEVELOPED COUNTRIES (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify basic concepts, definition of developed countries and relevant approaches in foreign policy analysis; Identify the foreign policy actors and decision-making process of several developed countries i.e United States, European Union, UK, German, Russia, Japan and Australia; Explain the factors and sources of foreign policy in each developed country; Analyze the developed country's foreign policy in the International Relations Context.

Topics: Introduction : the History and Evolutions of Foreign Policy Analysis; Politics of Foreign Policy and Level of Analysis (I); Politics of Foreign Policy and Level of Analysis (II); Understanding theoretical I : Realism and Foreign Policy; Understanding theoretical II : Liberalism and Foreign Policy; Understanding theoretical III : Constructivism and Foreign Policy; Model of Decision Making in Foreign Policy Analysis (I); Model of Decision Making in Foreign Policy Analysis (II); The Foreign Policy of The European Union; EU's Foreign Policy System: Actors and Policy Making; The Foreign Policy Dimension of Internal Policies; Concepts of energy security and EU foreign policy; The Practice of Russia's Foreign Policy; Making of Russia's Foreign Policy; Geopolitics Russia and Energy Policy; Germany's Foreign Policy; UK : Leadership and Foreign Policy; British Foreign Policy After Brexit; Australia Foreign Policy and Current Issues; The Context of U.S. Foreign Policy Theory and History; US Foreign Policy : Comparative Study between Obama and Trump's Administration; US Foreign Policy :Post 9/11; US Foreign Policy in the Twenty-First Century: Choices and Challenges; Women in Foreign Policy; US Foreign Policy: The Middle East; Japan's Foreign Policy.

INTR6026 - INDONESIA AND INTERNATIONAL DEVELOPMENT (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key concepts in the field of international development; Describe several theories as well scholars in the field of international development studies; Illustrate contemporary international development issues, challenges and policy options made by the state in international as well as domestic level; Integrate theory and empirics in an innovative and methodologically sound way in explaining international development issues and challenges in both historical and contemporary issues.

Topics: Introduction To Development (traditional and contemporary meanings); Why Indonesia Matters; Development Theory; Aid and development; Globalization and Development; The Economics of Development; The developing world and global financial crisis; Politics, government and development; Poverty alleviation and development; Community Development; Gender and Development; Environment and Development; Security and Development.

INTR6039 - INDONESIA'S TRADE POLICY IN AN ERA OF FREE COMPETITION (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify the Indonesian history of economic policies and its impacts to the Indonesian macroeconomic conditions; Explain the main perspectives on monetary and financial theories and integration regionalism; Illustrate the Indonesian governments trade policies and their influence on regional and global economy; Analyze the Indonesia's contemporary trade and investment issues.

Topics: History of Indonesia's economy policies; Government Economic Policies; Indonesia Macroeconomic Condition Post Asian Crisis; Indonesia Macroeconomic Condition Post Global Recession; The International Monetary and Finance Structure; The Financial Crisis; Indonesia's Monetary Policies; Indonesia's Monetary Policies in The Post-Crisis Era (I); Indonesia's Monetary Policies in The Post-Crisis Era (II); The Financial System; Economic Crisis and Fiscal Policy Management; Fiscal Policy Management; Priority to Industrial in the Democratizing Era; Implementation to International Political economy Perspectives; Decentralization; Domestic Trade Interdependence; Regionalism; ASEAN Economic Integration 2015; Perspective of the Indonesian Business Sector on the Regional Integration Process; Indonesia's Role in the Global Economy; Trade Policy and Governance Performance; Indonesia in the Development Paradigm; Paper Presentation I; Paper Presentation II; Simulation I; Simulation II.

INTR6048 - THESIS (6 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: write an undergraduate thesis on a topic in the field of international relations, broadly defined.

INTR6075 - INTERNATIONAL LAW ISSUES AND INTERNATIONAL DISPUTE SETTLEMENT (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe basic concepts of international law and international dispute in international relations; Explain the contents of all international conflict-related international laws and legal mechanism to settle international conflict; Apply the international legal mechanism to settle international conflict issues; Analyze the problems of the implementation international conflict-related international laws in international.

Topics: Basic Understanding of international law (I); Basic Understanding of international law (II); International Treaties; The Subjects of International Law; State and International Law (I); State and International Law (II); International Organizations; Customary international Law; NGO and international Law; Territory and International Law; Dispute Settlement; The Law of The Sea (I); The Law of The Sea (II); International Criminal Law and Dispute Settlement; International Courts and Tribunal; The use of force in International Law (I); The use of force in International Law (II); WTO and Dispute Settlement Panel; International Human Right Law (I); International Human Right Law (II); International Human Right Law (III); International Humanitarian Law (I); International Humanitarian Law (II); International Humanitarian Law (III); International Humanitarian Law (IV); International Law for Environmental Protection.

INTR6078 – THE EU AND EUROPEAN INTEGRATION (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify key perspectives, concepts, and theories on regionalism; Illustrate several important issues that affects the development of regionalism and regional integration in Europe; Describe important developments of regionalism in Europe; Analyze the systemic and any related changes that affects the development of regionalism and regional integration in Europe.

Topics: Introduction to regionalism; Europe as a region; The idea of European integration: leaders' perspectives; The history of European regionalism: reading through Treaties; The institutional design of European regionalism; Multilevel governance in European Union: The problem of democratic deficit; Regionalization Within Europe: Is shared imagination exists among Europeans?; Enlargement and the definition of European Identity; Understanding EU's actorness in international fora: The UN and WTO; Understanding EU's actorness in global affairs; Understanding EU's actorness in global affairs: What kind of power is the EU?; Contemporary Debate: Identity Crisis and Euro-scepticism; The future of European regionalism.

INTR6079 – REGIONALISM IN EAST ASIA AND THE PACIFIC (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify contemporary political issues in the Asia Pacific region; Cite various theoretical perspectives within the social sciences that are relevant to current developments within the region; Analyze contemporary political developments in the region from a range of theoretical perspectives.

Topics: Introduction to the Asia Pacific Region; The United States in the Asia Pacific; The Rise of China; North Korea: What do they want?; Japan's Security Renaissance; Australia in the Asia Pacific; Debates on ASEAN Regionalism I; Debates on ASEAN Regionalism II; Research and writing assignments; The "Asian Values" Debate; "Asian Values" and Human Rights Today.

INTR6083 – SELECTED TOPICS IN PEACE AND SECURITY (4 Credits)

Learning Outcome: On successful completion of this course, students will be able to: Discuss the concept of conflict and conflict resolution; Explain approaches in conflict and conflict resolution analysis; Evaluate concepts and theories of conflict and conflict resolution with case studies; Analyze a conflict using the acquired conceptual framework.

Topics: Introduction to Conflict and Conflict Resolution; Understanding Conflict and Conflict Resolution; Approaches in Conflict Analysis; Basics of Conflict Resolution; Exercise I; The Resolution of Conflict Between States; Conflict Resolution in Civil Wars; Exercise II; Ethnicity, Conflict, and Inequality; Peace Movement and Nonviolent Struggle; Exercise III; United Nations in Conflict Resolution; Study Visit/Guest Lecture.

INTR6084 – NGOS AND CIVIL SOCIETY POLITICS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify NGO actors and their roles in policymaking and democratization; Discuss the biggest operational and political challenges that NGOs face in these processes; Apply this knowledge in national, regional and international contexts.

Topics: Introduction to NGOs and civil society politics; Civil society as the Third Sector; Discovering NGOs: national; Types of NGOs; Discovering NGOs: regional; Management of NGOs: Donors, projects; Accountability; NGOs and the politics of policy-making 1; Discovering NGOs: international; NGOs and the politics of policy-making 2; Civil society as a democratising force; Uncivil society?; Review.

INTR6085 – CONTEMPORARY ISSUES IN GLOBAL POLITICS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Explain theories and basic concepts of contemporary issues in global politics; Analyze specific contemporary issues in global politics; Integrate theories and concepts to critically examine case studies of contemporary issues in global politics.

Topics: Introduction to contemporary global politics; Rivalries among great powers and the rising of geopolitics; Non-State Actors; Regionalism and Free Trade Agreement; The changing nature of armed conflicts; International finance and global financial crisis; The politics of international development aid; Democracy and Peace Building; Gender and of violence against women; The role of cities in global landscape; Global populism and the emergence of identity politics; Global Politics and Digital Technologies; Evaluation.

INTR6086 – THE RISE AND FALL OF THE ASIAN ECONOMIC MIRACLE (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Examine political-economy approaches in explaining the rise of the Asian Economic Miracle; Examine political-economy approaches in explaining the Asian Financial Crisis; Analyze the political consequences of the Asian Financial Crisis using political-economy frameworks; Identify key debates on political-economic transformations beyond the recent economic crises.

Topics: Definitions, coverage and significance; Explaining the Rise: neoclassical and historical institutionalism; Explaining the Rise: critical perspectives; Democracy and Economic Growth; Explaining the crisis: neoliberalism; Explaining the crisis: Historical institutionalism; Good governance and the reconsolidation of capital; Political regimes in crisis; Independent research and writing; From the developmental state to the regulatory state; The rise of regionalism?.

INTR6095 - JAPANESE POLITICAL AND ECONOMY (NIHON NO SEIJI TO KEIZAI) (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify politics, economic, demographic, environmental and cultural aspects of contemporary Japan; Describe politics, economic, demographic, environmental and cultural aspects of contemporary Japan; Analyze Japanese contemporary politics, economy, socio-cultural problems.

Topics: Introduction; Lost Decade; Risk and Consequences; Families at Risk; Jobs at Risk; Contemporary Politics; Security and the Peace Constitution; Immigration Issue; War Memory and Responsibility; The Imperial Family; Yakuza; Government and Business; Future of Japan.

INTR6099 - INTERNATIONAL POLITICAL ECONOMY OF DEVELOPMENT (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify debates concerning development and underdevelopment; Describe various approaches to poverty eradication; Analyze the impact of globalization on developmental outcomes.

Topics: Theories of Development; Defining and measuring development; Global inequality and poverty; Approaches to poverty eradication; Environment; Globalization and development.

INTR6107 - TERRORISM: CAUSES AND IMPACTS (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Discuss the causes, processes, and consequences of terrorism; Classify different counterterrorism policies as response to terrorism; Analyze economic, social, political, and security impacts of terrorism; Evaluate the terrorism impacts with the Indonesia context.

Topics: Introduction to Terrorism; Explaining Terrorism; Terrorist Movements; Terrorist Behavior; Exercise I; Counterterrorism; Trends in Terrorism; Economic and Political Impacts; Exercise II; Social and Psychological Impacts; Exercise III; Terrorism in Indonesia; Conclusions.

INTR6110 - THE DYNAMICS OF CROSS-STRAIT RELATIONS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify key perspectives and concept in the Cross-Straits Relations issue; Discuss problem and approach used by Taiwan and China in engaging with Cross-Straits Relations issue; Apply the acquire knowledge into Cross-Strait military and political economy issues; Analyze Taiwan's and China's policy in engaging with Cross-Strait Relations issue.

Topics: Introduction: Taiwanese Politics and the dynamic of Cross-Straits Relations; Origin, Nature and Approaches of Cross-Straits Relations; Chinese Civil War and Division of China; One China Policy and the 92' Consensus; Democratization in Taiwan and Political Party in Taiwan; Identity Politics in Taiwan; Triangle Relations in Cross-Straits Relations (Sino-US-Taiwan); One Country Two System Approach and Taiwan Response; Military Issues in Cross-Straits Relations; Political Economy Issues in Cross-Straits Relations; People to People Exchange in Cross-Straits Relations; Southeast Asia-Taiwan Relations; Conclusion.

INTR6111 - INTERNATIONAL MIGRATION: GOVERNANCE AND RIGHTS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify tensions between state rights and migrant rights; Describe challenges for the associated policy process; Apply knowledge of challenges to real-life situations.

Topics: Introduction to global governance of migration; Modern institutional and legal framework; Roles of state and non-state actors in the policy process; Issue framing and agenda setting; Norm creation & evolution; Capacity building; Standard setting; Compliance & adjudication; Coercive diplomacy & the collective use of force; Review.

INTR6112 - GREAT DEBATES IN INTERNATIONAL RELATIONS (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Discuss similarity and difference of International Relations theories in each phase of debate; Explain basic assumption and term in every phase of Great Debate; Analyze the key concept and term in each phase of debate to the development of International relations theories; Criticize the impact of each Great Debate phase to the development of International relations theories.

Topics: Introduction; Context and Tradition of Great Debates in International Relations; Debating human nature and human knowledge; The dynamic of Realist-Idealist Great Debate (1st Great Debate); The dynamic of Realists Behaviorists Debate (2nd Great Debate); The dynamic of Realism, Institutionalism and Structuralism Debate I (Inter-paradigm Debate); The dynamic of Realism, Institutionalism and Structuralism Debate II (Inter-paradigm Debate); The dynamic of Positivist theories and Post-positivist theories Debate I (4th Great Debate); The dynamic of Positivist theories and Post-positivist theories Debate II (4th Great Debate); Concern on Critical Realism (5th Great Debate); Criticism on Great Debates; Prospects of International Theory in a Post-positivist Era; Conclusion: One World with Many Theories.

INTR6113 - SELECTED READINGS IN CRITICAL THEORY (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify the philosophical basis for mainstream IR theory; Examine the limitations of mainstream IR theory; Analyze contemporary political developments using critical theory.

Topics: Myths in International Relations; States as de-facto persons; Realism: Whose interests are "national interests"; Constructivism in IR and its limits; Social Conflict and Domestic Politics; Gender and IR; Emerging perspectives in contemporary IR.

INTR6121 - INDUSTRIAL EXPERIENCE IN INTERNATIONAL RELATIONS (8 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Channel their acquired knowledge and understanding of international relations, including negotiation, diplomacy, and language skills, into practice for the second time. This process is once again conducted by engaging in a 4 to 6 months period of internship in places such as government institutions (e.g. Ministry of Foreign Affairs), non-governmental organizations (both local and international),

private sectors, multinational companies, and news agencies, both international and local. By the end of this course, students shall acquire valuable experience and insight into a real work environment for international relations graduates. Upon completing this course, students should go back to the university to focus on writing his/her final thesis.

INTR6122 - SCHOLARLY WRITING IN INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Write a research proposal on the topic that they had previously chosen in the Thesis Writing Workshop (INTR6088). This proposal will be a refined and revised version of their previous proposal and is expected to constitute the first chapter of their thesis.

INTR6123 – EES IN INTERNATIONAL RELATIONS (3 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Channel their acquired knowledge and analytical skills in the social sciences to an internship stint in government institutions, civil society organizations or private sector firms. In their internship, students will be assessed on how well they use key skills – presentation (including written communication), persuasion and negotiation – in the course of their work.

INTR6124 - PROFESSIONAL EXPERIENCE IN INTERNATIONAL RELATIONS (8 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Channel their acquired knowledge and understanding of international relations, including negotiation, diplomacy, and language skills, into practice for the second time. This process is once again conducted by engaging in a 4 to 6 months period of internship in places such as government institutions (e.g. Ministry of Foreign Affairs), non-governmental organizations (both local and international), private sectors, multinational companies, and news agencies, both international and local. By the end of this course, students shall acquire valuable experience and insight into a real work environment for international relations graduates. Upon completing this course, students should go back to the university to focus on writing his/her final thesis.

INTR6125 – REPORT WRITING IN INTERNATIONAL RELATIONS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Write good reports. Such reports should present clear, concise, and important information concerning multinational corporations and related areas.

INTR6131 - MEDIA AND CYBER SECURITY (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Describe the relevance of the development of information technology and warfare to International Relations; Identify the key concepts and theories used in the field of information warfare; Examine how contemporary and emerging cyber threats as the main feature of information warfare are managed at the international level; Integrate theory and cases to explain Indonesia's policy in information warfare.

Topics: Introduction to Information Age/The Rise of Information Warfare; Cyberspace as the New Battlefield in Information Warfare; Cyber Attack and Cyber Exploitation; Cyber Crime and Cyber Terrorism; Law and Cyber Conflict; Cyber Offense and Defense; Cyber Deterrence; Cyber Security; Cyber Power; Seminar of students' final project: Indonesia in information age (part 1); Seminar of students' final project: Indonesia in information age (part 2); Seminar of students' final project: Indonesia in information age (part 3); Excursion to ID SIRTII.

INTR6132 – EES IN INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Channel their acquired knowledge and analytical skills in the social sciences to an internship stint in government institutions, civil society organizations or private sector firms. In their internship, students will be assessed on how well they use key skills – presentation (including written communication), persuasion and negotiation – in the course of their work.

INTR6134 - INTERNATIONAL ORGANIZATION IN INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Construct the business plan and evaluate the business model; Describe basic concepts and theories of international organizations; Explain initial development, dynamics and issues of international organization; Apply the acquired knowledge into case studies; Analyze the roles and influences of international organization toward specific international relations issues.

Topics: Introduction to International Organization; Theories of International Organization; Historical Context of International Organization; Customer Profile; The Next 10 Customer; High level Specs Product/Service Specification; International Organization as Political System; Actor's Demands and Supports; Decision Making in International Organization; Output Dimensions of International Organizations; Regional Institution: the European Union; The United Nations; Security Issues and International Organization; Quantify Value Proposition; Bretton Woods Institution; Environmental Issues and International Organization; Chart Competitive Position; Design Business Model; Human Rights and International

Organization; Guest Lecture/Movie Screening on International Organization; Humanitarian Action and Social Development in International Organizations.

INTR8014 - GLOBAL ECONOMIC ARCHITECTURE (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify The elements that structure global economic architecture; Explain The development of global economic architecture; Illustrate The interaction between actors within global economic context; Analyze Strategic issues and empirical cases that influence global economic architecture.

Topics: Introduction to global economic architecture; Structuring the order; World trading system in the 20th century and beyond; The political economy of world trading system; Global monetary system in the 20th century and beyond; Reforming international monetary system; The US economic hegemony; World economic order: Western dominance; North-South and South-South Economic Relations; North-South and South-South Economic Relations 2; The gentlemen clubs; Global economic leadership; Catching Up with the West: New Industrialised Countries; The Asian Miracle; The political economy of regional integration; Making regionalism works; Study Visit: The Tale of the Two Crisis; Study Visit: The Global Financial Crisis in the 2000s; The other side of the coin: development agenda; Economic Discussion Forum; The rise of BRICS; The core of BRICS: China plays dominant role; Withering the Western dominance; Reordering world economic order; Assignment Presentation 1; Assignment Presentation 2.

INTR8015 - INTERNATIONAL COMMUNICATION AND MULTICULTURALISM (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain key concepts in the field of international communication in international relations; Describe key theories and/or scholars in the field of international communication in international relations; Apply international communication theories to a range of global issues in international relations; Integrate theory and cases to explain problems of international communication in both conventional as well as contemporary forms of international communication.

Topics: Introduction: Global Communication; Development Research Traditions and Global Communication; American Multimedia Giants; Stakeholders of Global Communication Systems; Global Issues, Music and MTV; CNN International: Role, Impact and Global Competitors; The Roles of Global News Agencies; Media in the Middle East and North Africa; The Role of Global Advertising; The Message: The Role of International Organizations; The Medium: Global Technologies and Organizations; Study Visit: The Internet, the New Frontier; Patterns and Prospects on Inter ational Medias in a Global World.

INTR8016 - GLOBAL SECURITY ARCHITECTURE (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe the major relationships, mechanisms, and organizations focused on security issues at the global level; Discuss key concepts and theories used in the field of global security architecture; Examine how contemporary and emerging security challenges are managed at the global level; Analyze the changing nature of global security architecture.

Topics: Introduction to global security architecture; Global security in the latter part of the 20th century; Global security after the Cold War; Regional organizations & security; The dynamics of global terrorism; The dynamics of global counter-terrorism; Maritime security; Border security; CBRN weapons; CBRN terrorism; Cyber security; Unmanned Combat Air Vehicles (UCAVs); Offensive & defensive arms races; Intelligence; Global governance.

INTR8023 - STRATEGIC INDUSTRY AND GLOBAL SECURITY (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify the motivation and implication underlying the phenomenon of strategic industry and arms production; Discuss a number of contextual issues in the contemporary defense industry; Classify the modern arms industry from several regional perspectives; Tell the relationships between the defense industry and the global arms trade.

Topics: The defense iron triangle; Development in the global arms industry from the end of Cold War to the mid-2000s; Emerging defense industries: prospect and implication; The evolution of international defense hierarchies; The globalization of defense industries; Offset and international industrial participation; Global small arms industry and strategic weapon production; The U.S. defense industry; The European defense industry; The Russian defense industry; Chinese, Indian, and South Korean defense industry; ASEAN and defense industry; The Indonesian defense industry.

INTR8027 - NATIONAL IDENTITY IN A GLOBAL WORLD (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe key theories/approaches and scholars related to national identity; Describe key theories/approaches and scholars related to identity in international relations; Apply key theories/approaches to a range of issues concerning national identity in international relations; Analyze international cases using key theories/approaches towards national identity in international relations.

Topics: Introduction: National Identity in International Relations; The Erosion and Persistence of Modern National Identities; Ethnicity, Religion and the Location of the Nation; History, Emergence and the End of Nations; Memory, Rituals and Rehearsals of National Identity; Homogenization of National Identity; Monuments and Maintenance of National Identity; Symbols and Myths of the Nation; Imaginations and Interactions of National Identity; Changes and Challenges of National Identity; Study Visit: Language and National Identity; Tribalism, Islamism and Arabism in Nation-Building; Conclusion: Patterns and Prospects of National Identity in a Global World.

INTR8029 - THE INDONESIAN DEFENSE STRATEGY (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain the evolution of Indonesian defense strategy; Interpret the concepts in Indonesian defense strategy; Analyze issues in Indonesian defense strategy; Formulate the ideal Indonesian defense strategy.

Topics: Enframing Indonesian concepts of national security; Transformation of Indonesian armed forces in Sukarno era; Transformation of ABRI in Suharto era; Democratic consolidation and transformation of the TNI in the post-Suharto era; Discussion: the evolution of Indonesian defense strategy; Concepts in Indonesian defense strategy; Indonesia strategic security environment and nature of threats; Indonesian security sector reform; Indonesia defense strategy vs. bureaucratic politics; Study visit: Other issues in Indonesian defense strategy; Design of ideal Indonesian defense posture; Grand strategy and an ideal budget for Indonesian defense; Conclusion: formulating the ideal Indonesian defense strategy.

INTR8030 - POLITICAL ECONOMY AND REGIONAL INTEGRATION IN EUROPE (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key perspectives and concepts on regionalism and regional integration; Describe important development of regionalism and regional integration in Europe; Explain issues that affects the development of regionalism and regional integration in Europe; Analyze the systemic change that affects the development of regionalism and regional integration in Europe.

Topics: Theories and Scope of Regional Integration; Economic and Political Implications of Regional Integration; The Idea of Europe; Central and Eastern European region; What is European Union; The Evolution of the EU; The European Institutions; The EU and its Citizens; The EU Policy Process; Economic Policy; Managing Resources; The EU and the World; The EU and its inter-regional policy.

INTR8031 - POLITICAL ECONOMY AND REGIONAL INTEGRATION IN EAST ASIA (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key perspectives and concepts on regionalism; Describe important development of regionalism that takes place in East Asia; Explain issues and policy options that affects the development of regionalism in East Asia; Analyze the systemic change that affects the development of regionalism in East Asia.

Topics: Introduction To Regionalism: regional studies decoded; The National Sovereignty and Global Governance; The Economic ideas of regionalism; The political ideas of regionalism; Regionalism versus globalization; The domestic preference and constraints of creating regionalism; State Power and Global Governance; Intergovernmental foundation of East Asia : the flying geese economy; East Asian miracle; Understanding China's regional diplomacy, projection and challenge; Understanding South Korea's growing importance in the region and it's initiatives towards region; Asian Monetary crisis as a stimulus of regionalization; Understanding Japan's role and its interest to the development of regionalism; Evaluation.

INTR8032 - POLITICAL ECONOMY AND REGIONAL INTEGRATION IN AMERICA (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key perspectives and concepts on regionalism; Describe important development of regionalism that takes place in American Hemisphere; Explain issues and policy options that affects the development of regionalism in America; Analyze the systemic change that affects the development of regionalism in America.

Topics: Introduction to Regionalism: regional studies decoded; Contending perspectives of regionalism: between regionalism and regionalization; Regionalism versus globalization; Hegemony and Regionalization; Free trade as a tool of US hegemony; Re-mapping trade relations in the Americas; CARICOM and Latin America; Latin America and China's Peaceful Rise; FTAA and EPA for Small Developing Countries; Regional Governance and multilateralism in the Americas; The Rise and Decline of Caribbean Integration; Regional security in the Americas; The role of Civil Society in Regional Integration in the Americas; Liberalization and human (in) security; Formal Liberal Democracy in Latin America; Democracy and the free market in Latin America.

INTR8033 – POLITICAL ECONOMY AND REGIONAL INTEGRATION IN AFRICA AND MIDDLE EAST (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify the history, regionalism and integration in Africa and Middle East; Describe a reasonable argument on the dynamics of political economy in Africa and

Middle East; Explain economic development in Africa and Middle East; Analyze contemporary democratization, economic recovery and violence, and international partnership in Africa and Middle East.

Topics: Introduction to Africa and the Middle East; Trade and Regional Integration in Africa and the Middle East; Contemporary History of Africa and the Middle East; Introduction to political economy of regional integration in Africa and the Middle East; Oil, Economy and Development in the Middle East; The Military, Security and Politics in the Middle East; Economic Development and Regional Trade in Saudi Arabia and the Persian Gulf Emirates; African and the Middle Eastern Economy and Millennium Development Goals; Current Trade Relations and their Implications for North Africa and the Middle East; Aid, Regional Economy and Integration in Africa; Israel, the Palestinians and the Peace Process; Economic Reconstruction and Peace Initiatives in Palestine and Israel; Visiting Lecture (Middle East Expert); Nationalism, Islamism and the Politics of Ideology; Terrorism and Political Violence in the Middle East; The Ottoman Empire and Its Legacy in The Middle East; Economic Development and Democracy in Iran and Iraq; Regional economy, peace and stability in Africa and the Middle East: Syria and Egypt; Civil Society, Democracy and Arab Spring in North Africa; Africa, the Middle East and the World: Mapping Development Trends; Africa and the European Union strategic partnership; Managing resources, Conflict and International Interventions in Africa and the Middle East; BRICS, regional political economy and Africa's Trade Strategy: Economic Integration Impact; Multinational Corporations and the States in Africa and the Middle East; International Development Policy and the Future of Africa and the Middle East; Future of African and the Middle Eastern Political Economy and International Relations.

INTR8034 - MULTINATIONAL CORPORATIONS AND SOCIAL RESPONSIBILITY (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key concepts in the field of MNC and its social responsibility; Describe several theories as well scholars in the field of MNC and its social responsibility; Illustrate contemporary issues, challenges and policy options made by the state in international as well as domestic level in the field of MNC and its social responsibility; Integrate theory and empirics in an innovative and methodologically sound way in explaining issues of MNC and its social responsibility and challenges in both historical and contemporary issues.

Topics: The long and winding road to Corporate Responsibility value; Deconstructing Corporate Responsibility value; Inside the mind of the stakeholder; Putting insight into action 1; Putting insight into action 2; Reconciling CSR and the performance of MNC; CSR and Anti-corruption; Anti-corruption as a CSR standard; Global governance; International Law; Civil Remedies; Corporate governance; Implication of a selected anti-corruption.

INTR8035 - INTERNATIONAL POLITICAL ECONOMY OF MULTINATIONAL CORPORATIONS (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify the political economic aspects of multinational companies; Describe historical development related to multinational companies; Explain policy aspects that govern the operation of multinational companies; Analyze the relations between the state, the international regime, and the multinational companies.

Topics: Introduction To Political Economy of Multinational Companies; Multinational Corporations and Global Governance; The State and the Multinationals; Relations between MNC and Labor; Early Multinational Companies; The early emergence of multinational corporations from the resource abundant countries; The early emergence of multinational corporations from the resource-scarce countries; Guest Lecture: Understanding Guanxi System of Chinese Multinational Companies; The emerging MNC and the New Asian Multinationals; Multinationals in Latin America and the Relevance theories to the emerging MNCs; Multinationals in Eastern Europe; Political Relations between Headquarter and the subsidiaries: case studies; The Protest Movement and the Future of Global Governance of Multinational Corporations.

INTR8036 - MULTINATIONAL CORPORATION'S GLOBAL STRATEGY (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key concepts in the field of global strategy of MNC; Describe several theories as well scholars in the field of global strategy of MNC; Illustrate contemporary issues, challenges and policy options made by the state in international as well as domestic level in the field of strategy of MNC; Integrate theory and empirics in an innovative and methodologically sound way in explaining issues of global strategy of MNC and challenges in both historical and contemporary issues.

Topics: Emerging Markets and MNC Strategies; International Expansion Through Acquisitions; Corporate Violence and Human Rights; Disaster Capitalism and the Ethics of Expansion; GSLC: Building the next generation global enterprises; Strategies of Labour Management; Undermining Organized Labour; Navigating Intellectual Property Rights in China; GSLC: Building a Global Brand; Opportunities in Emerging Markets: Business Model or State Policies?; GSLC: Coevolving Local Adaptation and Global Integration; Opportunities in Emerging Markets: Innovation or Political Patronage?; Critical Reflection: Market and Non-Market Strategies.

INTR8038 - WTO AND TRADE DIPLOMACY (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify the background and accessions the World Trade Organization; Illustrate the trade interest and trade negotiation strategy of developing and developed countries in the WTO; Analyze the world trade political issues, dispute settlement issues, and the future of the WTO.

Topics: Trade Liberalization Diplomacy; International Trade as Diplomacy; Three Transformations of the Diplomacy and International Trade; Trade Liberalization Diplomacy in Big Countries; Theory and practice the multilateral trading system; The creation of the multilateral trading system; Liberalization: The First Transformation I; Liberalization: The First Transformation II; Institutionalization: The Second Transformation I; Institutionalization: The Second Transformation II; WTO Accessions; Political issues in the WTO accession; Case Studies I; Case Studies II; Judicialization: The Third Transformation I; Judicialization: The Third Transformation II; Dispute Settlement; Operation of the Dispute Settlement Understanding; Rules and norms: The rules for decision-making in the WTO; Consensus versus Voting; Relations with other organizations, civil society, and other stakeholders; Notifications, trade policy reviews and monitoring; Post-Uruguay Round negotiations in the WTO; Case Studies : Doha Round; Case Studies : Discrimination and Preferences; The Future of The WTO.

INTR8040 - ECONOMIC DIPLOMACY OF CHINA AND INDIA (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe the significance of role of China and India in the era of globalization; Explain the strategies and patterns adopted by China and India in their economic development project; Demonstrate China's and India's strategy and patterns of global integration; Examine the Significance of China's and India's economic diplomacy for Indonesia.

Topics: Introduction: China and India Historical Context; Prelude to Globalization: China (1949-1978) and India (1947-1991); China and India Embracing Globalization; China : Strategy and Pattern of Global Integration; China's economic diplomacy in Africa and Asia; China's Engagements in Shanghai Cooperation Organization; The Rise of China and Its Implications to the US; India : Strategy and Pattern of Global Integration; India and China : From Border Wars to Economic Cooperation; India's engagement with the US; India's Regional Economic Power; Class Presentation 1: Significance of China's Economic Diplomacy for Indonesia; Class Presentation 2: Significance of India's Economic Diplomacy for Indonesia.

INTR8042 - MEDIA, WAR AND PEACE (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Discuss the performance and role of media in the time of war and peace; Discover the key concepts of media's roles and influences in global war and peace; Utilize the key concepts of media's roles and the impact of media coverage into the global war and peace case study; Criticize the media's roles and the impact of media coverage in global war and peace case study.

Topics: Introduction to media, war and peace; Propaganda and the news in a time of terror; Media marginalization and the antiwar movement; Public rationality, political elitism, and opposition to war; Media, globalization, and violence views from around the world media independent; Media effects on public opinion: propaganda, indoctrination, and mass resistance; Propaganda, celebrity gossip, and the decline of news; Iraq and the politics of media deference; Worth and unworthy victims: the politicization of genocide and human right in U.S. Foreign policy; Iran, nuclear weapons, and the politics of fear; Journalistic norms and propaganda Iraq and the war on terror; Impacts of alternative media; Postscript: media coverage in the age of Obama.

INTR8043 - INTERNATIONAL MEDIA AND STATE ROLE (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe key concepts and role of international media in the social world; Analyze the roles and influences of international media toward specific case study; Apply key concepts and integrated relation of international media in international relations; Construct the relation between international media, states and international issues.

Topics: Introduction: Media and Society; Introduction Media and the Social World; The Economics of the Media Industry; Political Influence on Media; Media Organizations and Professionals; Media and Ideology; Social Inequality and Media Representation; Media Influence and the Political World; Media Technology; Active Audiences and the Construction of Meaning; Conclusion: Media in a Changing Global Culture.

INTR8045 - CONFLICT AND PEACE STUDIES (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Discuss the concept of armed conflict and conflict resolution; Explain approaches in conflict and conflict resolution analysis; Relate the concepts and theories into different types of conflicts; Analyze a conflict within the acquired conceptual framework.

Topics: Understanding Conflict Resolution and Conflict Resolution; Armed Conflict and Peace Agreements; Approaches in Conflict and Redefinition of Conflict Resolution; Conflict and Conflict Resolution Analysis; The Resolution of Conflict

Between States; Conflict Resolution in Civil Wars; Conflict Resolution in State Formation Conflicts; Conflict Complexes and Conflict Resolution; Conflict Analysis Practice: Case Study; The United Nations in Conflict Resolution; International Communities in Conflict Resolution.

INTR8055 - THE RISE AND FALL OF MULTINATIONAL CORPORATIONS (2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key concepts about multinational companies; Describe several theories as well scholars related to multinational companies; Explain issues and policy options made by the state in international as well as domestic level on multinational companies; Analyze the behaviour of actors in the concept of multinational companies.

Topics: Introduction To Multinational Companies; General concepts of Multinational Companies; Exploiting Opportunities; Theories of MNCs; Multinational Enterprise to 1930: Discontinuities and Continuities; Multinationals from the 1930s to the 1980s; Video screening and Discussion; Innovative Multinational Forms: Japan as a Case Study; The Emergence of the Global Shareowner; The Social Impacts of Multinational Corporations; The Governance of Multinationals in the Twentieth Century; Multinational Corporations and the Future of Global Governance; Case Study and Presentation.

SUBJECT AREA: ISYE

ISYE6041 – ENGINEERING ECONOMY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use basic engineering economy to calculate time value of money, different between present and future worth, interest rate; Create cashflow analysis for a project; Analyze investment decision criteria by using economic decision (IRR, NPV, Payback, Present Worth); Perform project accounting principles in calculating Revenue, EBITDA, EAT, and net profit.

Topics: Foundations of Engineering Economy; Time Value of Money; Nominal and Effective interest rate; Present Worth Analysis; Present Worth Analysis (2); Annual Worth Analysis; Investment Decision Criteria; Rate of Return Analysis; Benefit Cost Analysis; Breakeven and Payback; Case study investment; Depreciation and After tax analysis; Project presentation.

ISYE6047 – DECISION SUPPORT SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze decision making problem and choose suitable method; Apply the principles of decision making process; Design the decision support system; Use some tools of decision making process.

Topics: Basic Principles of Decision Theory; Methods for Decision Making; Decision making system, models and support; Management Support Systems: An Overview; Framework of Decision Support System; Decision Support Systems: An Overview; Modeling and Analysis; Data Warehousing and Data Mining; Decision Support Systems Development; Collaborative Computing Technologies: Group Support Systems; Enterprise Information Systems; Intelligent Decision Support Systems; Intelligent Systems over the Internet; Integration, Impacts, and the Future of Management-Support Systems.

ISYE6048 – SUPPLY CHAIN: LOGISTICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the model for industrial logistics problems of its objectives, constraints and decision variables; Apply logistics systems of its engineering design method; Identify major classes of industrial logistics systems, operations and most significant characteristics; Discuss the variants of industrial logistics problems with basic solution algorithms.

Topics: Introduction to logistics; Engineering planning and design; Forecasting; Transportation System; Single flow routing; Single vehicle roundtrip; Multiple flow routing; Multiple vehicle roundtrip; Inventory system; Supply chain systems.

ISYE6055 – E-SUPPLY CHAIN MANAGEMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the key issues in creating value in supply chains using ICT tools; Discuss the changing business environment due to information technology advancements; Analyze the business models and strategies of e-business towards value chains; Assess risk and security problems in virtual value chains and the methods available to minimize the risk; Justify improvements to the design and implementation of an e-SCM strategy for an organization; Judge the use, abuse, and failure of electronic marketing generating competitive advantage.

Topics: E-Commerce Standards; Dynamic Transshipment; Electronic Commerce for Supply Chain Management and Automated-Process Systems; Managing Modern E-Services; Service Value Networks; EDI; Cost/Benefit Analysis, Online Transactions, and Security Issues; MRO Production Part and Service Buying with E-Commerce; International Business and Legal Issues: ERP Systems; Buyer/Supplier Interfaces; Information Feedback Approach.

ISYE6056 – SUPPLY CHAIN RISK AND NEGOTIATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept and theories of supply chain risk and supply chain negotiation; Describe proper method to solve specific type of supply chain risk problem; Classify the application of negotiation in specific aspects; Discuss benchmark, new trends and future issues on supply chain risk.

Topics: Introduction supply chain risk management; Assessing the vulnerability; Risk management in value networks; Predicting and managing; Assessing risks; Risk management system; Simulation to investigate supply chain; Single vs multiple sourcing; Product design in supply chain risk management; Enterprise risk management; Supply chain risk management for SME; SCRM and performance; Supply chain security.

ISYE6059 – HUMAN-INTEGRATED SYSTEMS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify human factor problems at workplace environment; Identify solutions based on human factor principles (basic cognitive ergonomics concepts and formulas, and physiological concepts to analyze and solve human factor problems); Produce recommendation within the constraints; Prepare human factor analysis report; Perform human factor analysis report; Perform effectively in a group with other engineers.

Topics: Introduction to Ergonomics; Human Body & Anthropometry; Workplace, Equipment, and Tools Design; Manual Work Design; Biomechanics and Design of Manual Handling; Fatigue and Energy Consumption; Work Environment Design; Design Cognitive Work; Human – Machine System; Working Hour and Eat Habits; Training and Other Management Practices; Body and Mind Working Together.

ISYE6061 – MANUFACTURING PROCESSES (4/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Recognize manufacturing processes of many engineering materials (i.e. steel, aluminum, composite, polymers); Perform some machining processes; Prepare project report; Perform presentation on project prototype; Organize working in a group with other engineers.

Topics: Introduction; Product design and process selection in a competitive environment; Fundamentals of machining; Machining processes: turning and hole making; Machining processes: milling, broaching, sawing, filing and gear manufacturing; Mechanical behavior, testing and manufacturing properties of materials; Cutting tool materials and cutting fluids; Physical properties of materials; The structure of metals; Metal alloys: their structure and strengthening by heat treatment; Ferrous metals and alloys: production, general properties and applications; NonFerrous metals and alloys: production, general properties and applications; Polymers: structure, general properties and applications; Plastic and composite materials: forming and shaping; Sheet metal forming processes and equipment; Fundamentals of metal casting; Metal-casting processes and equipment; Metal-casting : design, materials and economics; Powder metal processing and equipment; Engineering metrology and instrumentation; Quality assurance, testing and inspection; Automation of manufacturing processes; Computer integrated manufacturing system + CAM; Presentation Manufacturing Process and Design (1); Presentation Manufacturing Process and Design (2).

ISYE6062 – FINANCIAL ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Calculate financial assets value; Use time value of money concepts and rate of return method to select among alternatives (risky and non-risky); Apply cashflow estimation and risk analysis concepts to determine suitable capital structure for a given problem; Use capital working management concepts to select financing policy alternatives; Use binomial lattice model to optimize capital value of standard and non standard option.

Topics: An Overview of Financial Management and the Financial Environment; Risk, Return, and the Capital Asset Pricing Model; Discounted Cash Flow Valuation; Bonds, Bond Valuation, and Interest Rates; Stocks, Stock Valuation, and Stock Market Equilibrium; Options and Corporate Finance; Initial Public Offerings, Investment Banking, and Financial Restructuring; Portfolio Theory, Asset Pricing Models, and Behavioral Finance; Derivatives and Hedging Risk; Mergers and Acquisitions; The Cost of Capital; Cash Flow Estimation and Risk Analysis; Working Capital Management.

ISYE6064 – SUSTAINABLE ENGINEERING SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the elements of the sustainable design; Describe the whole system approach to sustainable design; Illustrate an example of the application of the whole system approach to sustainable design.

Topics: Introduction to Sustainability; Sustainable Design; Economic Valuation; Externalities; Water Resources Management; Water Quality; Sustainable Management Strategy; Soil and Groundwater Remediation; Industrial Ecology and Sustainability; Industrial Ecology and Sustainability (1); Green Building; Green Infrastructure; Energy Resources Management; Energy System Engineering; Sustainable Design for Operation; Sustainable Design for Operation (1);

Sustainable Food Production; Sanitation and Solid Waste Management; Sustainable Engineering Application (Production); Sustainable Engineering Application (Procurement); Sustainable Engineering Application (Manufacturing); Sustainable Engineering Application (Logistics); Innovation and Technology Application in Sustainable Engineering (Group 1); Innovation and Technology Application in Sustainable Engineering (Group 2); Innovation and Technology Application in Sustainable Engineering (Group 3); Innovation and Technology Application in Sustainable Engineering (Group 4).

ISYE6065 – DYNAMIC SERVICE FACILITY DESIGN (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Propose Optimally locating facilities; Estimate number of service facilities required; Calculate floor-space requirements; Propose layout of a facility.

Topics: Introduction to Facilities Design; Model for Location problem; Product and Equipment Analysis; Process and Material Flow Analysis; Traditional Approaches to Facilities Layout; Model for the layout problem; Group Technology and Facility layout; Material Handling; Warehouse and Storage.

ISYE6066 – HUMAN INTERACTION IN SERVICE SYSTEMS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the relationship between consumer behavior, customer value, satisfaction, trust and retention; Recognize type of human needs, motives, meaning of goals and consumer behavior based on various social class and culture; Describe architecture of service operations; Differentiate service design approach; Explain the integration of service quality and human factors.

Topics: The Service Economy; Understanding Consumers; Social Class and Cultural Influence on Consumer Behavior; The Service Encounter; Architecture of Service Organizations; Service Supply Relationships; New Service Development; Managing Waiting Lines; Integrating Service Quality and Human Factors; Globalization of Services.

ISYE6067 – GLOBAL SUPPLY CHAIN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the concept of global supply chain; Solve proper calculation of supply chain problem with reasons and conclusions; Explain the application of strategic planning and transportation planning including inter-modalism and land transportation; Distinguish the application in facilities, customs, regulation, and security; Prepare reports and presentation by working effectively in a team of engineers; Propose benchmark on information systems and future issues in international logistics.

Topics: Air, Ocean, and Port Facilities; Overview of Global Supply Chain; Global Sourcing and Trade; Global Supply Chain Management; Strategic Planning; Transportation Planning; Intermodalism and Land Transportation; Customs, Regulations and Security; Trade Documents and Finance; Intermediaries and Inventory Management; Information Systems and Future Issues in International Logistics.

ISYE6070 – FACILITY PLANNING (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Use location analysis techniques; Design plant services of flow interaction; Analyze parts flow in plants; Estimate number of machine required; Calculate floor space requirements; Interpret computer based facility layout optimization tools.

Topics: Introduction to Manufacturing Facilities Design and Material Handling; Sources of Information for Manufacturing Facilities Design; Time Study; Process Design; Flow Analysis Techniques; Activity Relationship Analysis; Ergonomics and Workstation Design Space Requirements; Auxiliary Services Requirement Space; Material Handling; Office Layout Techniques and Space Requirements; Systematic Layout Planning; Facilities Design - The Layout; Review.

ISYE6075 – SYSTEMS SIMULATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the applications of discrete-event simulation approach; Employ discrete-event simulation model; Apply statistics techniques in simulation; Analyze simulation output and draw conclusion based on the results.

Topics: Output Analysis : Estimation of Relative Performance; Concept of a System; Introduction to Simulation; Spreadsheet Simulation; Discrete-event Simulation; Simulation Software; Statistics in Simulation; Queuing Model; Random Number in Simulation : Random-Number Generation; Random Number in Simulation : Random-Variate Generation; Input Modeling; Verification and Validation of Simulation Model; Output Analysis : Estimation of Absolute Performance; Examples of Simulation Application; Simulation Project.

ISYE6101 – PRODUCTION AND OPERATION ANALYSIS (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use forecasting techniques to forecast demand (e.g. exponential smoothing, regression); Apply aggregate planning models; Use basic deterministic and stochastic for inventory problem solving (e.g. EOQ, (Q,R), (s,S)); Use material requirements planning models including lot sizing for MRP (using Wagner-Whitin and heuristic methods) based on basic capacity planning concept in a manufacturing

system; Explain kanban, CONWIP, other pull systems, and the principles of "factory physics," (how to use formulas for estimating cycle time, WIP and variability levels and its influence); Apply job shop scheduling methods.

Topics: Production/Operations Management; Forecasting; Aggregate Planning; Inventory Control Subject to Known Demand; Inventory Control Subject to Uncertain Demand; Supply Chain Management; Warehousing System; Review; Push and Pull Production Control System: MRP, JIT; Operations Scheduling; Personnel Scheduling; Project Scheduling; Facilities Layout and Location; Reliability and Maintainability.

ISYE6113 – LEADERSHIP AND ORGANIZATIONAL BEHAVIOR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain individual behavior and process related to work performance (individual behavior, perception and learning, work emotions and attitude, motivation); Demonstrate team process through project presentation; Recognize contemporary views of best practice in organizations; Explain organizational process (structure, culture, change); Criticize leadership and its effect to organizational functioning through case study.

Topics: Effective Managers Understand Organizational Behavior; Understanding and Managing Individual Behavior; Groups Behavior and Interpersonal Influence; Organizational Processes; Organizational Design, Change, and Innovation; Leadership.

ISYE6114 - WAREHOUSE MANAGEMENT SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analyze the warehouse; Manage the warehouse; Execute process of the warehouse.

Topics: Role of the warehouse; Warehouse process; Warehouse management systems; Warehouse layout; Storage and handling equipment; Warehouse costs; Performance management; Outsourcing; Warehouse and the environment; Review.

ISYE6115 - TRANSPORTATION MODELING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the transportation modeling; Arrange the transportation modeling; Design process of the transportation modeling.

Topics: Computation in transportation; Transportation models; Traffic assignment to transportation network; Integration framework and empirical evaluation; Simulation tools; Transportation use cases; Review.

ISYE6116 - HEALTH AND SAFETY ENGINEERING (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Explain The principles of industrial safety; Utilize basic knowledge Safety, Health and Environment to control workplace hazards to prevent injuries, illness and property damage; Apply safety management in a TQM environment.

Topics: Introduction; Accidents and Their Effects – Theories of Accident Causation; Roles and Professional Certifications for Safety and Health and Competition in the Global Marketplace; Laws and Regulations (part 1); Laws and Regulations (part 2); The Human element; Hazard Assessment, Prevention, and Control (part 1); Hazard Assessment, Prevention, and Control (part 2); Hazard Assessment, Prevention, and Control (part 3); Hazard Assessment, Prevention, and Control (part 4); Management of Safety and Health (part 1); Management of Safety and Health (part 2); Management of Safety and Health (part 3).

ISYE6117 – INDUSTRIAL PRACTICE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define a problem considering the responsibilities, capabilities and constraints in time, budget, information, and other resources; Identify relevant factors and collect the related data and information via observations and communications; Apply methodologies studied in the curriculum to model and solve the problems analytically and computationally, clearly and logically; Use library, online and other resources to acquire knowledge; Demonstrate ability to communicate to the stakeholders including advisor, supervisor and evaluator in one-on-one, formal presentations, and report; Demonstrate ability to work effectively in given projects that includes managing the project, time and communicate with other stakeholders.

Topics: Working in teams, exploring primary sources, evaluating and interpreting information, proposal and report, analytical report; Oral Presentation.

ISYE6123 – DETERMINISTIC OPTIMIZATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify objectives and constraints based on problem descriptions; Create mathematical optimization models; Apply an understanding of the techniques used to solve linear optimization models using their mathematical structure; Use optimization software to conduct analyses and interpret the output; Create recommendations based on solutions, analyses and model's limitations.

Topics: Assignment Problems; Various Types of LP Models; Graphical Method for two variable LP; Sensitivity Analysis using Graphical Method; Simplex Algorithm; Duality Theory; Sensitivity Analysis; Transportation Problems; Transshipment Problems; Network Models; Modeling Integer Programming; Solving Integer Programming.

ISYE6124 - SYSTEM ENGINEERING & ANALYSIS (3 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of industrial engineering problems, domains, and methods; Apply simple data collection and analysis techniques in a broad range of industrial engineering problems; Describe the concept of other sciences relating to industrial engineering; Prepare project reports; Practice effectively in a group with other engineers.

Topics: Introduction to System; The System Design Process; Alternatives and Models in Decision Making; Models for Economic Evaluation; Optimization in Design and Operation; Queuing Theory and Analysis; Design for Usability (Human Factor); Design for Logistics and Supportability; Design for Producibility, Disposability, and Sustainability; Systems Engineering Planning and Organization; Group Presentation; Review.

ISYE6125 – QUALITY ENGINEERING (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain quality management concepts such as ISO, TQM, MBQA, Six Sigma, and Quality Cost; Differentiate quality tools (e.g. PDCA, Seven Tools, Quality Function Deployment (QFD), Control Charts, Root Cause Analysis, FMEA, Kanban) in process improvement; Use statistical quality control technique and related software for data analysis; Propose process improvement utilizing quality tools; Apply design of experiment for continuous improvement.

Topics: Introduction to Quality; Statistical Process Control; Control Chart; Process Capability Analysis; Measurement System Analysis; Quality in Procurement; Quality in Design; Continuous Improvement of Quality; Basic Experimental Design for Quality Improvement.

ISYE6130 – PROJECT MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain project management terminology, concepts and lifecycle; Utilize project management tools, techniques and skills; Apply project selection methods to evaluate feasibility of projects.

Topics: Introduction to Project Management & Project Life Cycle; Project Management Organization; Project Management Cost, Time and Quality part 1; Project Management Cost, Time and Quality part 2; Project Management Human Resources and Communication; Project Management Risk; Project Management Procurement and Negotiation; Role and Responsibility of Project Manager; Making Decision and Managing Conflicts in Project in Project Management; Project in Global Environment; Project Management Monitoring, Evaluation and Instruments; Handing over and Closing Project; Project Management Software (MS Project 2007).

ISYE6139 - ENGINEERING ETHICS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Differentiate multi modal (written, oral, visual, electronic, and nonverbal) communication strategies; Employ informative and persuasive approaches to speech and writing; Propose the potential showcase of business project; Examine ethical and linguistic problems in workplace communication using multimodal media.

Topics: Introduction to Technical Communication; Preparing an Effective Technical Document; New Product Development; Customer Insight and Market Analysis; Process Design; Research Process; Prototyping Products or Services; Business Environment; Visual, Design, and Usability Elements; Evaluate Product or Services Prototype; Oral Presentation.

ISYE6140 - SUSTAINABLE PRODUCTIVITY ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Core Theory of Special Topics in Industrial Engineering disciplines to solve Real Engineering Problems; Analyze Business Models and Strategies from viewpoint Operational, Tactical and Strategical Objectives for Short, Medium and Long Term; Formulate Problems of Special Topics in Industrial Engineering disciplines through some appropriate Theories; Integrate People and Innovation to achieve Performance Excellence, Competitive Advantage and Sustainability.

Topics: Past, Present and Future Situation in Special Topics; People and its Talent Management; Innovation and its Determinants; Performance Excellence – Guest Speaker; Competitive Advantage; Sustainability from viewpoint Ambidexterity, Leadership and Organizational Learning.

ISYE6141 – TECHNICAL COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Differentiate multi modal (written, oral, visual, electronic, and nonverbal) communication strategies; Employ informative and persuasive approaches to speech and writing; Propose the potential showcase of business project; Examine ethical and linguistic problems in workplace communication using multimodal media.

Topics: Introduction to Technical Communication; Preparing an Effective Technical Document; New Product Development; Customer Insight and Market Analysis; Process Design; Research Process; Prototyping Products or Services; Business Environment; Visual, Design, and Usability Elements; Evaluate Product or Services Prototype; Oral Presentation.

ISYE6142 – FUTURE TREND IN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Core Theory of Special Topics in Industrial Engineering disciplines to solve Real Engineering Problems; Analyze Business Models and Strategies from viewpoint Operational, Tactical and Strategic Objectives for Short, Medium and Long Term; Formulate Problems of Special Topics in Industrial Engineering disciplines through some appropriate Theories; Integrate People and Innovation to achieve Performance Excellence, Competitive Advantage and Sustainability.

Topics: Past, Present and Future Situation in Special Topics; People and its Talent Management; Innovation and its Determinants; Performance Excellence – Guest Speaker; Competitive Advantage; Sustainability from viewpoint Ambidexterity, Leadership and Organizational Learning.

ISYE6153 – THESIS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Practice Works effectively in a team project that includes managing the project, time and people (team members, other stakeholders); Define a problem considering the responsibilities, capabilities and constraints in time, budget, information, and other resources; Apply course material(s) studied in the curriculum in a cumulative and comprehensive manner to model and solve the problems empirically; Identify relevant factors and collect the related data and information via observations and communications; Use library, online and other resources to acquire knowledge not covered in the curriculum; Define evaluation criteria and apply them to the solution.

Topics: Tugas Akhir, known as Final Project and Senior Design; Concept and Implementation: Theory in Industrial Practice and Tugas Akhir (Final Project/Senior Design); Concept and Implementation: Case Study in Industrial Practice and Tugas Akhir (Final Project/Senior Design); Integration of Theory and Case Study in Industrial Practice and Tugas Akhir (Final Project/Senior Design); Working in team, exploring primary sources, evaluating and interpreting information, proposal and report, analytical report; Oral Presentation.

SUBJECT AREA: ISYS**ISYS5044 – PROFESSIONAL ETHICS (2 Credits)**

Learning Outcomes: On successful completion of this course, students will be able to: Explain definition and background of ethics within organization; Recognize the nature of the IT profession and the special ethical duties of the IT professional and constraints necessary for justice in an efficient market economy, practice of moving skilled IT jobs; Discuss how to value IT itself; Analyze ultimate ethical question of the value of technology, the value of modern technology per se and discusses to what extent conclusions about modern technology apply to information technology.

Topics: Ethical Issues in Information Technology; A Background in Ethical Theory; The context of IT Ethical Issues; Professional Duties; Justice in a Market Economy; Trust Issues in a Market Economy; Off shoring as an Ethical Issue; Privacy and Security; Copyright and Piracy; E-Problems; Valuing Information Technology; The Ultimate Value of Technology; The Ultimate Value of Information Technology.

ISYS5180 – INTERNSHIP (4 Credits)

Learning outcome: On successful completion of this Course, students will be able to: Describe the introduction about background, scope, objective and benefit of the topic; Analyze about the system run such as history of the organization, analysis system run; Design the proposed system, evaluate of information system and closing.

Topics: Introduction; The Analysis System Runs; The Evaluation of Information System; Closing.

ISYS5185 - INFORMATION SYSTEM CONCEPT (2 Credits)

Learning outcome: On successful completion of this Course, students will be able to: Identify the basic concept of Information System in modern organization; Describe the concept of information system functional; Illustrate the application of information system in the business world.

Topics: The Modern Organization Functioning in a Global Environment & Information Systems and the Modern Organization; Hardware, Software & Emerging Types of Enterprise Computing; Managing Knowledge & Data; Information Systems that Support Organization; Electronic Commerce Application & Issues; Networks, Web 2.0, Social Network & Wireless Technology and the Modern Organization; Ethics, Privacy & Information Security; Customer Relationship Management and Supply Chain Management; Managerial Support System & Intelligent Systems; Acquiring Information System and Applications.

ISYS5350 - BUSINESS PROCESS FUNDAMENTAL (2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain the concept of the organization include: core business, business strategy, business functions, customers, suppliers, partners and business process; Describe the relationship of business processes and business activities, operating events, information events and decision/management events, and REA modeling; Design the DFD, ERD and database models by using REA model approach; Implement the DFD and system flowchart to the revenue cycle, expenditure cycle, the production cycle, HRD cycle and general ledger and financial reporting; Elaborate the integration of functional IT applications in an enterprise.

Topics: Business Processes; Database Concept; System Documentation; The Revenue Cycle; Internal Controls; The Expenditure Cycle; The Production Cycle; The General Ledger and Financial Reporting Cycle; The HR Management and Payroll Cycle; Systems Development.

ISYS5351 - INFORMATION SYSTEMS PROJECT MANAGEMENT (2/2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain the need of project management; Plan the steps for project management; Identify problems that faced in project management; Utilize tools in preparing project Management; Calculate the cost, time and resources in project management.

Topics: An Overview of IT Project Management; The Business Case; The Project Charter; The Project Team; The Scope Management Plan; The Work Breakdown Structure; The Project's Schedule and Budget; The Risk Management Plan; The Project Communication Plan; The Implementation Plan and Project Closure and Review; Exploring the Microsoft Project Environment; Building Tasks; Creating Resources and Assigning Costs; Reporting on Progress; Tracking Your Progress.

ISYS5352 - FINAL PROJECT (6 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Apply their knowledge/skills that have been learned in the study in the form of written research.

Topics: Outlines discussions; Theories review; Data gathering; Submission and group presentations; Finishing, discussions and group presentations; Final project approval.

ISYS6005 - ACCOUNTING INFORMATION SYSTEMS (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the difference between accounting information systems and real-time processing and the impact of these technologies on transaction processing, have a basic understanding of ethical issues related to the use of information technology; Identify the functional departments involved in revenue cycle activities and trace the flow of revenue transactions through the organization and be aware of the operational features and the control implications of technology used in payroll and fixed asset systems, operational features of the general ledger system(GLS), financial reporting system(FRS), and management reporting systems(MRS); Explain the role of accountants in the SDLC, with the tools used to improve the success of system construction and delivery activities, including prototyping, CASE tools, and the use of PERT and Ganttcharts; Design the business process using flowchart, data flow diagram, entity relationship diagram, database, query, form and report, the various aspects of ERP configuration including servers, database, and the use of bolt-on software, and be acquainted with the topologies that are employed to achieve connectivity across the internet.

Topics: The Information System: An Accountant's Perspective; Introduction to Transaction Processing; The Revenue Cycle; The Expenditure Cycle Part I: Purchase and Cash Disbursements Procedures; The Expenditure Cycle Part II: Payroll Processing and Fixed Asset Procedures; The Conversion Cycle; Financial Reporting and Management Reporting Systems; Database Management Systems; The REA Approach to Database Modeling; Enterprise Resource Planning Systems; Electronic Commerce Systems; Managing the Systems Development Life Cycle; Construct, Deliver, and Maintain Systems Project

ISYS6015 - ACCOUNTING INFORMATION SYSTEMS ANALYSIS AND DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define User Requirement Activities; Design Environment and Application Architecture; Design User Interface and System Interface; Design Use Case Realization, Databases, Controls, and Security; Create The System Operational Implementation; Define the business model and explain the defined business model.

Topics: Prototyping the Business; Investigating and Modelling System Requirements; Domain Modelling; Extending the Requirements Models; Market Segment (Persona); Case Study (1); Business Model Environment; Essentials of Design and the Design Activities; Designing the User and System Interfaces; Case Study (2); Visual Thinking; Object-Oriented Design: Fundamentals; Ideation; New Product/Service Development; Case Study (3); Object-Oriented Design: Use Case Realizations; Design Databases, Controls, and Security; Case Study (4); Deploying The New System; Evaluating Product / Services Prototype.

ISYS6016 - SOCIAL MEDIA FUNDAMENTAL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the role of social media marketing; Describe Conceptual frameworks of Social media; Define the type of social media marketing; Define the tool and device to manage and monitoring to social media marketing.

Topics: The Social Media Mix 7; Cybersocial Tools; Content Marketing; Twitter; Facebook and Instagram; LinkedIn; Pinterest; Other Social Media Marketing Sites; Measuring Results; Building Success; Monitoring Your Online Reputation; Improving Productivity with Apps and Widgets; Ten Ways to Build an Online Presence Now; Ten Ways to Get Social Media Feedback.

ISYS6018 – THESIS (6 Credits)

Learning Outcomes: On successful of this course, student will be able to: Explain on the previous research and the introduction such as reference; Analyze the procedure of run the system and provide proposed for new procedures; Evaluate the results of its writing in the form of conclusions and suggestions.

Topics: Chapter 1 Introduction; Chapter 2 Reference; Chapter 3 The Analysis System Runs; Chapter 4 The Analysis of Proposed System; Chapter 5: Conclusions and Suggestions; Review.

ISYS6037 – MANUFACTURING INFORMATION SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concept and processes of manufacturing systems; Create the design of manufacturing systems; Analyze the plan for manufacturing systems; Calculate forecasting and scheduling for manufacturing systems; Explain the importance of management in manufacturing systems.

Topics: Overview of Manufacturing Information System; Operation Management and Supply Chain Management; Product Design; Service Design; Processes and Technology; Capacities and Facilities Design; Human Resources in Manufacturing Systems; Supply Chain Management Strategy and Design; Forecasting; Inventory Management; Sales and Operations Planning; Resource Planning; Lean Systems; Scheduling.

ISYS6050 - INFORMATION SYSTEM AUDIT FUNDAMENTAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the information system auditing and its control; Explain the information system auditing and its part; Perform the information system auditing and system development life cycle process; Analyze the information system auditing on financial reporting system

Topics: Auditing and Internal Control; Auditing IT Governance Controls; Security Part I: Auditing Operating Systems and Networks; Security Part II: Auditing Database Systems; Systems Development and Program Change Activities; Transaction Processing and Financial Reporting Systems Overview.

ISYS6056 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design Research Activity; Organize Research Activity; Evaluate Research Activity.

Topics: The Proposal; Chapter 1; Chapter 2; Chapter 3; Chapter 4; Chapter 5; Review.

ISYS6060 – ACCOUNTING INFORMATION SYSTEM MINOR PROJECT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analyze information system in a specific field; Analyze current issue or problem in a specific field; Propose ideas that solve the problem; Analyze each idea and make recommendation; Create proposal related to their ideas; Argue about ideas in presentation.

Topics: Introduction to Minor Project; Conduct Survey; Analysis of Existing Information System; Alternative Analysis; Recommendation Analysis; Making Proposal; Revise & Submit Proposal; Presentation.

ISYS6078 – DATABASE DESIGN AND APPLICATION (2/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe database environment and Database Systems Development Lifecycle; Explain fact finding Techniques in Database Analysis; Illustrate database design

using modelling techniques; Organize normalization techniques; Design databases which includes conceptual, logical, and physical modelling.

Topics: Introduction to Databases; Database System Development Lifecycle; Database Analysis; Entity Relationship Modelling; Enhanced Entity Relationship Modelling; Normalization; Methodology – Conceptual Database Design; Methodology – Logical Database Design for The Relational Model; Application Design; Methodology – Physical Database for Relational Databases; Methodology – Monitoring: Monitoring and Tuning the Operating System.

ISYS6093 – INFORMATION SYSTEM CONCEPT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the basic concepts of information systems; Explain the concepts of information system development; Illustrate the application of information systems in the business world.

Topics: Introduction to Information Systems (L); Organizational Strategy, Competitive Advantage and Information Systems (L); Representation Information in a Graphic Format (T); Ethics, Privacy and Information Security (T); Data and Knowledge Management (L); Case Chap 5-Hospital Improves Patient Care with Data Warehouse (pg.128-129) (T); E-Business and E-Commerce (L); Case The Entrepreneur's Dilemma: Alibaba, Tencent, and Amazon as E-Commerce Platforms (Session 11&12) (T); Business Analytics (T); Cloud Computing (T); Information Systems Within The Organizations (L); Social Computing (T); Wireless, Mobile Computing, and Mobile Commerce (T); Customer Relationship Management and Supply Chain Management (L); Case Chap 10-European Railway Successfully Converts to SAP (Pg. 325) (T); Acquiring Information Systems and Applications (L); Case Green Freight Asia (A): Driving the Adoption of Sustainable Supply Chain Practices (Session 25); Intelligent Systems (T).

ISYS6095 – INFORMATION SYSTEM DEVELOPMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the system analyst role and skills in developing the information system; Demonstrate the system development life cycle and feasibility study; Create the use case table and entity relational diagram; Create a Data Flow Diagram (DFD); Design a user interface; Design a structure chart data store and pseudo code.

Topics: The Systems Analyst and Information Systems Development; Requirements Determination; Use Case Analysis; Data Modeling; Process Modeling; The Design Phase, Design Strategy, and Architecture Design; User Interface Design; Program Design; Data Storage Design; Moving into Implementation.

ISYS6117 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the research problems, purpose and scope of research, basic theories and concepts of information systems; Analyze the problems, gather and compile data; Create a sound solution of the problems.

Topics: Outlines discussion and Theories review; Chapter 1 and 2 submitted and discussion; Theories review; Data gathering 1; 50% of chapter 3 submitted and group presentations; Data gathering 2; 100% of chapter 3 submitted and discussion; Data gathering 3; 25% of chapter 4 submitted and group presentations; 50% of chapter 4 submitted and discussion; 100% of chapter 4 submitted and group presentations; Finishing, discussion and group presentations; Thesis approval.

ISYS6120 - MANAGEMENT INFORMATION SYSTEM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the modern organization and the information systems in the modern organization; Explain the components of information system; Classify the information systems in the modern organization.

Topics: The Modern Organization Functioning in a Global Environment; Information Systems and the Modern Organization; Hardware and Software; Managing Knowledge and Data; Ethics and Privacy & Information Security; Electronic Commerce Applications and Issues; Networks & Wireless Technologies and the Modern Organization Network; Information Systems that Support Organization; Customer Relationship Management and Supply Chain Management; Managerial Support System; Review all the materials or Case study discussion or Final Project Presentation.

ISYS6123 – INTRODUCTION TO DATABASE SYSTEMS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe concepts, terminologies, environment, and relational model in database system; Apply user role and right access to increase security in database system; Construct query of SQL that suitable with the problem; Design database using structured data model; Recognize database technology concept.

Topics: Introduction to Databases; Database Architectures & The Relational Model; SQL – Data Definition; SQL – Data Manipulation (Basic Queries 1); Security and Administration; SQL – Data Manipulation (Basic Queries 2); SQL – Data

Definition & Data Manipulation Exercise; SQL – Data Manipulation (Multi table Queries); SQL – Data Manipulation (Sub Queries) and View; Normalization; Entity Relationship (ER) Modelling; Enhanced Entity-Relationship Modelling; Data Warehousing Concepts.

ISYS6126 – ENTERPRISE SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate basic concept of enterprise system for management; Explain basic concept of system integration; Analyze case study in enterprise systems; Analyze integration application and strategy in implementation ERP in company; Analyze topic / idea of integration enterprise system activities (ERP, SCM, CRM) needed by the Company.

Topics: Introduction to Enterprise Systems for Management; System Integration; Enterprise Systems Architecture; Development Life Cycle; Implementation Strategies; Software and Vendors Selection; Operations and Post-implementation; Program and Project Management; Organizational Change and Business Process Reengineering; Global, Ethics and Security Management; Supply Chain Management; Customer Relationship Management; Review.

ISYS6146 – INFORMATION SYSTEM SECURITY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the information system security; Explain the information system security framework and tools; Perform the information system security and its relation with others.

Topics: Introduction to Security and History of Computer Security; Key Concepts and Principles, Access Control and IS Management; Application and Web Security; Malicious Software and Antivirus Software; Cryptography; Understanding Network and Network Security; Firewalls; Intrusion Detection and Prevention Systems; VPN; Data Backups and Cloud Computing; Physical Security and Biometrics; Social Engineering; Current Trends in Information Security.

ISYS6151 - INFORMATION SYSTEM SECURITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the information system security; Perform the information system security analysis and evaluation; Recommend the information system security and connecting to others field.

Topics: Developing Policies; Organization of Information Security; Cryptology; Risk Management: The Facilitated Risk Analysis and Assessment Process; Building and Maintaining an Effective Security Awareness Program; Physical Security; Disaster Recovery and Business Continuity Planning; Continuity of Operations Planning; Access Controls; Information System Development, Acquisition, and Maintenance; Information Security Incident Management; Asset Classification; Threats to Information; Information Security Policies: A Practitioner's View.

ISYS6163 – ADVANCED INFORMATION SYSTEM ANALYSIS AND DESIGN (4/2 Credits)

Learning Outcomes: On completion this course, students will be able to: Explain the techniques and principles of system design, activities required in designing information systems, and implementation strategy; Create a system architectural design, as a whole view of the proposed system solution; Create systems design of the use case realization using Interaction diagrams; Create the design components of the system as specification of the User Interfaces and the Systems Interfaces; Create the databases, systems security and controls to ensure the integrity for inputs, outputs, data, and processing of system; Define the business model and and explain the defined business model.

Topics: An overview of System Analysis and Design, and the design modeling; Moving on to the Design; The Business Market Segment (E); Ideation (E); The Architectural design of Information System; The review of behavioral modeling; Behavioral Modeling, the Sequence Diagram; Behavioral Modeling, the Communication Diagram; Visual Thinking (E); Prototyping (E); The Class and Method Design; Data Management Layer Design; Human Computer Interaction Layer Design; Designing the System Security and Controls; System Construction and Testing; Story Telling (E); Creating Scenario (E); Final Team Design Presentation and Evaluation.

ISYS6169 - DATABASE SYSTEMS (4/2 Credits)

Learning Outcomes: On completion this course, students will be able to: Describe database systems, terminology, environment and new concept of database; Apply database language and SQL Programming language; Design database using structure data model; Evaluate database processing and security mechanism.

Topics: Introduction to Databases; Database Environment; Database Architecture and the Web; The Relational Model; Relational Algebra and Relational Calculus; SQL- Data Definition and Data Manipulation (1); Security and Administration; SQL – Data Definition and Data Manipulation (2); Advanced SQL; Transaction Management; Database System Development Live Cycle; Database Analysis; Normalization; Advanced Normalization; Distributed DBMSs—Concept and Design; Entity Relationship (ER) Modeling; Enhanced Entity Relationship (ER) Modeling; Data Warehousing Concepts; Data Mining.

ISYS6170 - DATA WAREHOUSE (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic concepts, components, environment, architecture and technologies of data warehouse; Explain the requirements and how to design data warehouse; Analyze collection of data and techniques for processing the data in data warehouse; Analyze the strategy of design and implement data warehouse appropriate to the need.

Topics: Data Warehousing Concepts; The Data Warehouse Environment; Data Warehousing Design; OLAP; The Relational and the Multidimensional Models; The Data Warehouse and the ODS; Granularity in the Data Warehouse; The Data Warehouse and Technology; External Data and the Data Warehouse; Unstructured Data and the Data Warehouse; Migration to the Architected Environment; The Distributed Data warehouse; The Data Warehouse and the Web

ISYS6172 – DATABASE DESIGN (2/1 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concept of database design as suitable Database System Development Life Cycle; Use Fact Finding Techniques; Create Entity Relationship Modelling; Create Normalization; Design Databases which includes conceptual, logical, and physical.

Topics: Database System Development Lifecycle; Fact Finding Techniques; Entity Relationship Modelling; Enhanced Entity Relationship Modelling; Normalization; Advanced Normalization; Methodology – Conceptual Database Design; Methodology – Logical Database Design for The Relational Model; Methodology – Physical Database for Relational Databases; Methodology – Monitoring: Monitoring and Tuning the Operating System.

ISYS6181 – MANAGEMENT INFORMATION SYSTEMS FOR LEADER (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of information system, information technology and business process in today's world; Identify various strategies to achieve organizational competitive advantage for IS leader; Analyze the use of information system and information technology in the global business world.

Topics: Introduction to Information Systems; Business Process & Business Process Management; Hardware & Software; Data and Knowledge Management; Organizational Strategy, Competitive Advantage and Information Systems; Ethics, Privacy & Information Security; E-Business and E-Commerce; Mid Exam Review; Business Intelligence & Intelligence Systems; Wireless, Mobile Computing and Mobile Commerce; Information Systems within the Organization; Social Computing; Cloud Computing; Supply Chain Management & Customer Relationship Management; Final Exam Review.

ISYS6186 - BUSINESS PROCESS FUNDAMENTAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the model of business process; Interact an integrated business process; Outline the roles of Information Technology in Business Process and Organizational activities to achieve its goals.

Topics: Introduction; Business Processes; The REA Accounting Model And ER Modelling; Systems Documentation; The Revenue Cycle; Internal Controls I & Internal Control II; The Expenditure Cycle; The Revenue Cycle & Expenditure Cycle Case Study; Mid Exam Material Review; The Production Cycle; The General Ledger and Financial Reporting Cycle; The HR management and Payroll Cycle; Systems Development; Linkages Between Business Processes; Final Exam Material Review.

ISYS6187 – BUSINESS WEB SOLUTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe about process and strategy in web site; Classify the optimization design and conversion in web site; Construct the maintenance and optimization in web site.

Topics: How to Transform Your Web Site's Success; Search Engine Optimization Fundamental; Expanding Your Reach; Using the Awareness Ladder; Working through the Awareness Ladder; Making Your Sites Sell; Presentation on Web Sites Design for Traffic and Needs of Conversion; Get Their Attention; Keep Them Engaged; Call Them to Action; Executing Your Web Sites Strategy; Optimizing Your Web Pages; Review.

ISYS6188 - INFORMATION SYSTEMS ANALYSIS AND DESIGN (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain Information System Development methods and the Systems Analysis and Design with UML; Apply techniques and methods used for gathering user requirements and define the requirements; Formulate Business Problems and opportunities for improvement by using Information System; Create Functional requirement models and their descriptions to describe which activities must do with the system for users; Create structure or domain models and their descriptions to describe data storing needed by the system; Create Proposed System Analysis Documents and gaining Approval from users.

Topics: Introduction to System Analysis and Design; Requirements Determination; Requirements Gathering Techniques & Documentations; Business Process Analysis and Modelling with activity diagram; Functional modeling with Use Case Diagram; Describing The Use Case; Describing the Use Case with Activity Diagram; Introduction to Structural Modeling; Domain Class Diagram as Structural Model; Application of Behavioral Modeling, to describe Input and Output of a Use Case; Application of Behavioral State Machine to describe Object behavior; Gaining User Approval; Requirements Analysis Documentation.

ISYS6189 - MANAGEMENT INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Use the tight correlation between business, technology and strategy; Manage the tight correlation among Management Information System infrastructure and business operations, business professionals, and business decision; Manage the critical relationship between the business with its employees, customers, suppliers, and partners.

Topics: Managing in the Digital World (L); Case Study 1: Youtube (T); Gaining Competitive Advantage Through Information Systems (L); Group Activity 1 : Porter's Five Competitive Forces and Porter's Value Chain Analysis (T); Enabling Business-to-Consumer Electronic Commerce (L); Enhancing Organizational Communication & Collaboration Using Social Media (L); Group Activity 2 : Comparing Indonesia's official government Web portal with another country's government Web Portal (T); Managing the Information Systems Infrastructure and Services (T); Managing Information Systems Security (L); Enhancing Business Intelligence Using Information Systems (T); Enhancing Business Process Using Enterprise Information Systems (L); Case Study 2: Big Project, Big Failure (T); Strengthening Business-to-Business Relationship via Supply Chain and CRM (L); Group Activity 3 : SCM and CRM Interactive Presentation (T); Final Exam Material Review (T).

ISYS6190 - ADVANCE IN DATA & INFORMATION MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Use Database Security Oracle DBMS; Create Transaction Management; Use Query Processing; Create Distributed DBMSs; Create Replication; Design Data Mining.

Topics: Security and Administration; Transaction Management; Query Processing; Distributed DBMSs - Concept and Design; Distributed DBMSs - Advanced Concepts; Replication and Mobile Databases; Data Warehousing Concepts; Data Warehousing Design; OLAP; Data Mining.

ISYS6192 - REQUIREMENT AND SOLUTION FOR INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Report applied topics in Information system for organization; apply Information System tools/technology for organization.

Topics: Applied Topic in Information System (1); Paper writing for applied topics in IS (1)

ISYS6193 - DESIGN AND EVALUATION FOR INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: report applied topics in Information system for organization; apply Information System tools/technology for organization.

Topics: Applied Topic in Information System (2); Paper writing for applied topics in IS (2).

ISYS6195 - APPLIED TOPICS IN ACCOUNTING & INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: report applied topics in Information system for organization; apply Information System tools/technology for organization.

Topics: Applied Topic in Information System (4); Paper writing for applied topics in IS (4).

ISYS6196 - BUSINESS ANALYTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a collection of computer technologies that support big data analytics; Classify business analytics activities; Analyze problems in business analytics; Design prototype strategy information system for business analytics.

Topics: What is Big Data and Why is It Important?; Industry Examples of Big Data; Big Data Technology; Information Management; Application Case 1; Business Analytics; The People Part of the Equation; Data Privacy and Ethics; Application Case 2; The Complete Project Lifecycle for Decision-Support Applications 1; The Complete Project Lifecycle for Decision-Support Applications 2; Application Case 3; Project Presentation.

ISYS6197 - BUSINESS APPLICATION DEVELOPMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain object Oriented concept; Solve the algorithm problem using Object Oriented concept; Construct a simple application with Object Oriented concept; Explain the right GUI concept; Assess object Oriented concept to GUI application.

Topics: Object Oriented Concept; Class and Object; Inheritance; Polymorphism; Package; Basic Graphical User Interface; Component and Layout Manager; Java GUI Component Manipulation; Event Driven Programming; Database Access; Database Operation I; Database Operation II; Review.

ISYS6198 - DATA AND INFORMATION MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the concept of data and information management as suitable with Database System Development Life Cycle; Explain database design methodologies, environment, and new concept of database; Create Database Structured Data Model; Design database which includes conceptual, logical, and physical based on Database System Development Lifecycle.

Topics: Database System Development Lifecycle; Database Analysis; Entity Relationship Modelling; Methodology – Conceptual Database Design; Normalization; DBMS selection; Methodology – Logical Database Design for The Relational Model; Project Presentation part 1; Methodology – Physical Database for Relational Databases; Application Design; Prototyping; Methodology – Monitoring: Monitoring and Tuning the Operating System; Distributed DBMSs – Concept and Design; Database Architectures and the Web; Project Presentation part 2.

ISYS6199 - DATA & TEXT MINING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define data and text mining concepts and techniques; Explain collection of data and techniques for pre-processing the data before mining; Design the data and text mining models to solve problems by extracting knowledge from data; Analyze the implementation of data and text mining techniques which appropriate to the need.

Topics: Introduction/Overview of Data Mining; Data Mining Trends and Research Frontiers; Getting to Know Your Data; Data Pre-processing; Classification: Basic Concepts - Decision Tree Induction; Classification: Basic Concepts - Rule-Based Classification; Classification: Basic Concepts - Bayes Classification Methods; Mining Frequent Patterns, Associations, and Correlations: Basic Concepts and Methods; Cluster Analysis: Basic Concepts and Methods and Outlier Detection; Review : Data Mining; Introduction of Text Mining and Text mining Application; Text Mining Pre-processing Technique; Categorization; Clustering; Information Extraction; Pre-Processing Applications Using Probabilistic and Hybrid Approaches; Review : Text Mining.

ISYS6200 – DATA WAREHOUSE (4/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts, components and architecture of data warehouse; Explain the requirements and how to design data warehouse; Describe the advantages of data warehouse utilization; Analyze the strategy of design and implement data warehouse and why data warehouse is the suitable solution that appropriate to the need.

Topics: Data Warehousing, Business Intelligence and Dimensional Modeling Primer; Kimball Dimensional Modeling Techniques Overview; Retail Sales; Inventory; Procurement; Order Management; Accounting; Customer Relationship Management; Human Resources Management; Kimball DW/BI Lifecycle Overview; Dimensional Modeling Process and Tasks; ETL Subsystems and Techniques; ETL System Design and Development Process and Tasks.

ISYS6201 - DATA WAREHOUSE AND DATA MINING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the basic concepts, architecture and techniques of data warehouse and data mining; Explain collection of data and techniques for pre-processing the data before using in data warehouse and data mining; Design data warehouse and data mining model; Analyze the implementation of data warehouse and data mining techniques which appropriate to the need.

Topics: The Data warehouse Environment; The Data Warehouse and Design; The Data Warehouse and Technology; The Distributed Data Warehouse; External Data and the Data Warehouse; Unstructured Data and the Data Warehouse; Data Warehouse Design and Building Review Checklist; Introduction/Overview of Data Mining; Getting to Know Your Data; Data Pre-processing; Classification: Basic Concepts - Decision Tree Induction; Classification: Basic Concepts - Rule-Based Classification; Classification: Basic Concepts - Bayes Classification Methods; Mining Frequent Patterns, Associations, and Correlations: Basic Concepts and Methods; Cluster Analysis: Basic Concepts and Methods and Outlier Detection; Data Mining Trends and Research Frontiers.

ISYS6202 – SOCIAL INFORMATICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss why is social media important; Illustrate how to professional capability at the digital frontier; Demonstrate using digital and social media.

Topics: Gargantuan and Growing: the Digital Economy; Six Damaging Myths about Social Media; Mind-Shift: from 'So What' to 'Social' The Factors of Anti-Social Mindset; The High Cost of Social Absenteeism; Double Jeopardy: Why You Can Not To Be There; Professional Development at Digital Frontier; Why You Must Own Digital and Social Media Assets; Set the

Bar: Social Media Benchmark; Twitter: The global Brain Index; Lock in LinkedIn: A New, Global Business Lunch; SlideShare: It Is Pump Class for Powerpoint; Google Plus: Your Social Rolodex; Facebook: Your New Lounge; Executive Ecosystem: Curate, Automate, Bring It Together.

ISYS6203 – MOBILE APPLICATIONS DEVELOPMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the mobile applications development; Design user interface for mobile application; Describe the main feature in application design.

Topics: Introduction to Android; Understanding Intents and Understanding Resources; Activities and Fragments and Responsive apps; UI: Using Basic UI Controls and Using Layouts; ListViews and Adapters and More Views and Controls; Adding Navigation and Using the File System; Using SharedPreferences and Using SQLite and File Storage; Providers; More Features to Explore; Using Notifications; Loader and CursorAdapters; More Features to Explore: Other Features; Android TV and Wear Apps.

ISYS6204 - E-BUSINESS DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe E-commerce Business Models and Concepts; Describe The Technology Infrastructure for E-commerce; Describe Business Concept and Social Issues; Analyze E-commerce implementation in the real world.

Topics: Introduction to E-commerce : The Revolution is Just beginning; Introduction to E-commerce : E-Commerce Business Models and Concepts; Commerce Infrastructure: The Internet, Web, and Mobile Platform; Building an E-commerce Presence: Web Sites, Mobile Sites, and Apps; E-commerce Security and Payment Systems; E-Commerce Marketing and Advertising Concepts; Social, Mobile and Local Marketing; Ethical, Social, and Political Issues in E-Commerce; Online Retail and Services; Online Content and Media; Social Networks, Auctions, and Portals; B2B E-COMMERCE: Supply Chain Management and Collaborative Commerce; Review.

ISYS6205 - ENTERPRISE ARCHITECTURE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe how EA helps integrate strategy, business, technology and how TOGAF helps to create IS/IT Enterprise Architects; Demonstrate to design of the EA Cube Framework; Use the purpose of summaries of the current and future architecture; Apply an EA in Investment, Project Management, IT Security and Repository.

Topics: An Overview of EA; The Structure and Culture of Enterprise; The Value and Risk of Creating an EA; the Implementation Methodology; Enterprise Architecture Artifacts; The Analysis and Documentation Framework; The Components and Artifacts; Developing Current Architecture Views; Developing Future Architecture Views; Developing an Enterprise Architecture Management Plan; The Role of Investment Planning and Project Management; Introduction to TOGAF 9.1.

ISYS6206 - IS STRATEGY, MANAGEMENT AND ACQUISITION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify how importance of Information Systems to use in collaboration and corporate's strategy; Discuss what information technology can support mobile systems and Cloud; Demonstrate how using Information Systems for competitive advantage; Apply information system management in corporate's application development.

Topics: The Importance of MIS; Collaboration Information Systems; Strategy And Information Systems; Hardware, Software and Mobile Systems; Database Processing; The Cloud; Processes, Organizations and Information Systems; Social Media Information Systems; Business Intelligence Systems; Information Systems Security; Information Systems Management; Information Systems Development; Review.

ISYS6207 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to professional attachment program (1); Apply information system competencies in organization.

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment.

ISYS6208 - PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to professional attachment program (2); Apply information system competencies in organization.

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment.

ISYS6209 - USER EXPERIENCE (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain what is UX and its elements; Explain the methods to plan, analysis, design and build good UX; Analyze the requirements based on outcomes of both Business Research and User Research; Apply Design principles to prototyping and Design method of the UX; Create the UX for WEB and Mobile Application, based on the design delivered through Visual and interaction of User Interface; Examine the quality of the UX Designs, by test their usability and integration into whole Application System.

Topics: Introduction to UX; UX Design Methodology; Business Requirements; User Research; Creating Persona; Content Strategy; Transition from Defining to Designing; Design Principles for Mobile Application; Site Maps and Task Flows; Wireframes and Annotations; Prototyping; From Design to Development; Course Summary and Evaluation.

ISYS6210 – DATA VISUALIZATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the basic concepts, the framework and context for understanding the performance dashboards; Analyze performance dashboards in depth and critical success factors of performance dashboards project; Apply process of creating the building blocks of a performance dashboard and putting the dashboard items together; Analyze the key advanced functions of performance dashboard and how use them play with data and image to drive the dashboard relevant to the business user.

Topics: The Landscape for Performance Dashboards (What Are Performance Dashboards? The Context for Performance Dashboards); The Landscape for Performance Dashboards (Assessing Your Organizational Readiness, Assessing Your Technical Readiness, How to Align Business and IT); Performance Dashboard in Action (Operational Dashboards in Action, Tactical Dashboards in Action, Strategic Dashboards in Action); How to Create Effective Performance Metrics; How to Design Effective Dashboard Displays; How to Deploy and Integrate Dashboards; A Short Dash to Dash-boarding; Summarizing Your Data for Dashboards; Interacting with Data for Dashboards; Using Dashboards to Get Results; Making Dashboards Relevant; Visual Best Practices; Dashboard project presentation.

ISYS6211 - WEB BASED APPLICATION DEVELOPMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain website programming concepts; Choose appropriate programming language techniques to deal with user requirements; Build website applications.

Topics: Website – Introduction; Understanding HTML, XHTML, CSS, JavaScript; HTML – Basic; HTML – Lists, Frames, Tables, and Links; HTML - Colors, Images, and Multimedia; CSS; JavaScript – Introduction; JavaScript - Functions and Objects; JavaScript - Conditions, Loops, and Events; JavaScript - Form Validation and Dialog Box; JavaScript – Form Submission; JavaScript - Advanced JavaScript Programming; Review.

ISYS6212 - ACCOUNTING INFORMATION SYSTEM DEVELOPMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the system analyst role and skills in developing the information system; Demonstrate the system development life cycle and feasibility study; Create the use case table and entity relational diagram; Create a Data Flow Diagram (DFD); Design a user interface; Design a structure chart data store and pseudo code.

Topics: The Systems Analyst and Information Systems Development; Requirements Determination; Use Case Analysis; Data Modeling; Process Modeling; The Design Phase, Design Strategy, and Architecture Design; User Interface Design; Program Design; Data Storage Design; Moving into Implementation.

ISYS6215 - EXPERIENCE IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to professional attachment program; Apply information system competencies in organization.

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment.

ISYS6230 - ACCOUNTING INFORMATION SYSTEMS IN INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: report applied topics in Accounting Information system for organization; apply Information Systems tools/technology for organization.

ISYS6231 - FINANCIAL ACCOUNTING INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: report applied topics in Accounting Information system for organization; apply Information Systems tools/technology for organization.

ISYS6232 - APPLIED TOPICS IN INFORMATION SYSTEMS AUDIT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: report applied topics in Accounting Information system for organization; apply Information Systems tools/technology for organization.

ISYS6233 - ADVANCED TOPICS IN INFORMATION SYSTEMS AUDIT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Report applied topics in Accounting Information system for organization; Apply Information Systems tools/technology for organization.

ISYS6256 – INFORMATION SYSTEMS PROJECT MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the overview of information technology project management and the concepts of life-cycles, methodologies, and processes for managing and developing the project; Explain how to conceptualize and start a project; Create the project infrastructure and developing project plan, project schedule, and project budget; Create the project risk, stakeholder analysis, communication plan, and quality management plan; Manage project team and organizational change; Manage project completion : project implementation, closure, and evaluation.

Topics: The Nature of Information Technology Projects; Project Methodologies and Processes; Measurable Organization Value and the Business Case; Project Planning : The Project Infrastructure; Project Planning : Scope and the Work Breakdown Structure; Project Planning : The Schedule and Budget; Managing Project Risk; Managing Project Quality; Managing Project Stakeholders and Communication; Leading the Project Team; Managing Organizational Change; Project Completion.

ISYS6264 – TESTING AND SYSTEM IMPLEMENTATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the foundation of testing project; Design the testing management plan for a software; Design the testing implementation plan for a software; Design the software implementation plan.

Topics: Foundation for Testing Project; Test Management – Organization; Test Management – Planning; Test Design; Bug Management; Controlling and Monitoring Testing; Template and Models in Test Management; Other Players in Testing Project; Review for Testing Project; Test Lab; Test Management – Closing; Implementation.

ISYS6265 – IT GOVERNANCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a path between CG and Governance of enterprise IT, various framework support governance enterprise of IT, history of COBIT, the basic concepts that make up COBIT 5, lifecycle for implementation of ITG using COBIT 5, process assessment model, COBIT certification; Discuss categories of enablers of COBIT 5, structure of process in COBIT 5, the role and responsibilities in implementing lifecycle phases, approach to process assessment; Analyze the phase of COBIT 5 implementation lifecycle; Prepare maturity level using process attribute.

Topics: Governance; Key Frameworks and Standards Supporting Governance of Enterprise IT; COBIT-From IT Audit to Governance of Enterprise IT; Overview of COBIT 5-Governance of Enterprise IT; Introduction The Seven Enablers of COBIT 5; The Seven Enablers of COBIT 5 – Dimension; The Seven Enablers of COBIT 5 – Performance Management; Domains and Processes; Translating COBIT to Your Practice; Implementation of Governance of Enterprise IT with COBIT 5; COBIT 5 Process Assessment Model; Cobit Process Maturity and Process Capability; COBIT 5 Resources.

ISYS6266 – BUSINESS CONTINUITY AND DISASTER RECOVERY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Business Continuity and Disaster Recovery Plan, both processes and tools are used; Perform Business Continuity and Disaster Recovery Plan, both processes and tools are used; Propose Business Continuity and Disaster Recovery Plan, both processes and tools are used.

Topics: Introduction to Backup and Recovery; Backup Software; Physical Backup Media; Virtual Backup Media; New Media Technology; Software Architectures – CommVault; Software Architectures – NetBackup; Putting It All Together: Sample Backup Environments; Application Backup Strategies; Monitoring and Reporting; Summary.

ISYS6269 – PROFESSIONAL ATTACHMENT PROGRAM (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Professional attachment program, which will be experienced by students for a semester, students will be involved in projects or research and tasks, which are relevant to their competency and also based on their interest. Furthermore, at the end of each program (internship), students are required to report their internship activities through scientific writing, and achievement for performance review purpose, as the internship result will be transferred as credits.

Topics: Applied Topic in Accounting Information Systems; Paper writing for applied topics in AIS.

ISYS6277 – DATABASE SYSTEMS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe concepts, terminology, environment, and relational model in database system; Construct query of SQL that suitable with the problem; Design database using structure data model.

Topics: Introduction to Databases; SQL Server Introduction; Database Environment; SQL – Data Definition Language; SQL – Data Manipulation Language (1); SQL – Data Manipulation Language (2); SQL – Data Manipulation Language (3); Database System Development Lifecycle; Normalization; Entity Relationship (ER) Modelling; Enhanced Entity-Relationship Modelling.

ISYS6278 - ADVANCED IN WEB BASED APPLICATION DEVELOPMENT (4 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Build dynamic Websites using HTML and PHP; Build E-commerce site; Design, planning, creating web database with MySQL; Create large scale project of web application using PHP and MySQL.

Topics : Using PHP Introduction; Array in PHP; Manipulation String in PHP; Object Oriented in PHP; Using MySQL; MySQL Database; Using MySQL and E-Commerce; E-Commerce and Security; Advanced PHP Techniques; Advanced PHP; Building Practical PHP and MySQL Project; Implementing PHP MySQL; Project PHP MySQL.

ISYS6279 - DATABASE SYSTEMS (4/2 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Describe database systems, terminology, environment, and new concept of database; Apply database language and SQL Programming language; Design database using structure data model; Evaluate database processing and security mechanism.

Topics: Introduction To Database; Database Environment; Database Architectures and the Web; The Relational Model; SQL - Data Definition and Data Manipulation (1); SQL - Data Definition and Data Manipulation (2); Security and Administration; Advanced SQL; Transaction Management; Normalization; Advanced Normalization; Entity Relationship (ER) Modelling; Enhanced Entity-Relationship Modelling; Database System Development Lifecycle; Database Analysis; Introduction to SQLite, Design and Concept; Android Development with SQLite.

ISYS6280 - DATABASE SYSTEMS (4/2 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Describe database systems, terminology, environment, and new concept of database; Apply database language and SQL Programming language; Design database using Object Oriented data model; Evaluate database processing.

Topics: Introduction To Database; Database Environment; Database Architectures and the Web; The Relational Model; SQL - Data Definition and Data Manipulation (1); SQL - Data Definition and Data Manipulation (2); Database System Development Lifecycle; Database Analysis; Advanced SQL; Transaction Management; Object Oriented Database Management Systems; Object Oriented Conceptual Modelling; Entity Relationship (ER) Modelling for Game Development; Enhanced Entity-Relationship Modelling; Cloud Computing; Material Review.

ISYS6283 - BUSINESS INTELLIGENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a collection of computer technologies that support managerial work— essentially, decision making; Classify business intelligence activities; Analyze problems in business intelligence; Design prototype strategy information system for business intelligence.

Topics: An Overview of Business Intelligence, Analytics, and Decision Support; Data Warehousing; Application Case 1; Business Reporting, Visual Analytics, and Business Performance Management; Application Case 2; Data Mining; Application Case 3; Text and Web Analytics; Application Case 4; Business Analytics : Emerging Trends and Future Impacts; Application Case 5; The Complete Project Lifecycle for Decision-Support Applications 1; The Complete Project Lifecycle for Decision-Support Applications 2

ISYS6284 - ANALYTICAL INFORMATION SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concept of strategic information system and corporate information systems; Classify management support systems activities; Analyse problems in management support systems; Design prototype strategy information system for decision support systems in business.

Topics: Presentation of Student's Project; Decision Support Systems and Business Intelligence; Decision Making, Systems, Modelling, and Support; Decision Support Systems Concepts, Methodologies, and Technologies : An Overview; Modelling and Analysis; Data Mining for Business Intelligence; Data Warehousing; Business Performance Management.

ISYS6285 - DIGITAL AND NEW MEDIA (2 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Identify the role of digital media in digital society; Analyze digital media impact for individual or organization; Analyze digital media impact for economies; Explain digital authorities.

Topics: Building a Digital Society; The Socio-Technical Interface; Typing the User; Audience As Community; Reality Checks; My Personal Public; Going Mobile; Digital Property; Consuming Power; Information At Work; Managing Risk; Living in a Cloud; Review.

ISYS6289 – COLLABORATIVE COMPUTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify interaction design; Recognize the conceptual of Interaction and Process of Interaction design; Describe the Design and construction in Interaction.

Topics: Bring the World to your Fingertips; Hardware: The thigh Bone's Connected to the...; Software: Feeding the Computer's or Tablet's brain; There's no Place Like Home Vs. Taking Your Show on the Road; Creating a Computer Comfort Zone; Go For a Test-Drive : Apples and Oranges; Would You Buy a Car Without Test_driving It?; Choosing the Best Route; Make Your Purchase; Baby's First day Home: Counting Fingers and Toes; Shaking Hands; Getting to Know You; Spanning the Globe; Shall We Dance; Practical Precautions; Advanced Email; Phone It in; Picture This; Join The Conversation; Put It All in Order; Detective Work with Your Technology; Shop Till You Drop; Extra!Extra!Read All About it; Review.

ISYS6336 - SERVICES INFORMATION SYSTEM (2 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Describe the business processes and concept of service information system; Analyze the information system in hospitality industry; Recognize the operational challenges in hospitality industries and discuss the solutions; Describe about leadership concepts and managerial aspects in hospitality industries.

Topics: Hospitality Spirit and Tourism; The Hotel Business and Room Division Operations; Food & Beverages Operations; The Restaurant Business and Operations; Managed Services; Recreation, Attraction, and Clubs Business; Gaming Entertainment Business; Meetings, Conventions, Expositions Business and Special Events; Communicating and Decision Making; Planning, Organizing, and Control; Human Resource Management; Leadership and Management; Globalization and The Future of Hospitality.

ISYS6338 - TESTING AND SYSTEM IMPLEMENTATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Explain Describe the foundation of testing project; Explain Design the testing management plan for a software; Create Manage execution testing process and testing team; Explain Design the software implementation plan.

Topics: The Foundation for Testing Project; Test Management – Organization; Plotting and Presenting Your Course: The Test Plan; Test Design; A Bug Tracking Database; Test Template; Controlling and Monitoring Testing Project; Other Players in Testing Project; Review for testing Project; Test Management – Closing; Implementation.

ISYS6340 - INFORMATION SYSTEM INVESTIGATION (4 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Explain standar procedure, tools and methods for computer investigation, ideation process, the future of knowledge economy, New Product Development Strategies, Stages in NPD; Analyze Marketing Information, Market Forces and Industry Forces, Business Model, Computer Forensics; Apply a systematic approach to an investigation and recovery data; List digital evidence storage formats, and some considerations for computer forensics hardware tools; Define the business model and explain the defined business model.

Topics: Computer Forensics and Investigations as a Profession; Understanding Computer Investigations; Market Segment (E); Ideation in the Business (E); Data Acquisition; Visual Thinking (E); Prototyping (E); Working with Windows and DOS Systems; Current Computer Forensics Tools; Computer Forensics Analysis and Validation; Recovering Graphics Files; Storytelling (E); Creating Scenarios (E); E-mail Investigations; Cell Phone and Mobile Device Forensics.

ISYS6341 - INFORMATION SYSTEM AUDIT (4 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Identify Controls of IT; Analyze IT Security; Evaluate Activities of Information System Audit.

Topics: Auditing and Internal Control; Auditing IT Governance Controls; Security Part I: Auditing Operating Systems and Networks; Security Part II: Auditing Database Systems; Systems Development and Program Change Activities; Transaction Processing and Financial Reporting Systems Overview; Auditing Database and Storage; Introduction to Computer-Assisted

Audit Tools and Techniques; Auditing Cloud Computing and Outsource Operations; Data Structures and CAATs for Data Extraction; Auditing the Revenue Cycle; Auditing the Expenditure Cycle.

ISYS6342 - INFORMATION SYSTEM CONTROL (4 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Identify the various issues related to the IS Control; Explain the various issues related to the IS Control; Perform the IS Control analysis.

Topics: Why Audit; Assume Breach; Risk Analysis: Assets and Impacts; Risk Analysis: Natural Threats; Risk Analysis: Adversarial Risk; Scope; Governance; Talking to the Suits; Talking to the Techs; Talking to the Users; Policy; Control Design; Administrative Controls; Vulnerability Management; People Controls; Logical Access Control; Network Security; More Technical Controls; Physical Security Controls; Response Controls; Starting the Audit; Internal Audit; Third-Party Security; Post Audit Improvement.

ISYS6343 – INFORMATION SYSTEM QUALITY ASSURANCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts of information quality; Analyze the information quality and evidence law; Assess the information quality and evidence law.

Topics: Information Quality, Data and Philosophy; Forget Dimensions: Define your Information Quality; Opening the Closed Word: A Survey of Information Quality Research; Algorithmic Check of Standards for Information Quality Dimensions; The Varieties of Disinformation; Information Quality in Clinical Research; Enhancing the Quality of Open Data; Information Quality and Evidence Law; Information Quality: Purpose and Dimensions; Big Data and Information Quality.

ISYS6345 - EXPERIENCE IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to professional attachment program (1); Apply information system competencies in organization.

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment.

ISYS6346 - PROFESSIONAL PROGRAM IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: On successful completion of this course, student will be able to: report applied topics in Accounting Information system for organization; apply Information Systems tools/technology for organization.

ISYS6347 - PROFESSIONAL PROGRAM IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Professional attachment program, which will be experienced by students for a semester, students will be involved in projects or research and tasks, which are relevant to their competency and also based on their interest. Furthermore, at the end of each program (internship), students are required to report their internship activities through scientific writing, and achievement for performance review purpose, as the internship result will be transferred as credits.

ISYS6349 - INTRODUCTION TO DATABASE (2/2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe concepts, terminology, environment, and relational model in database system; Design database using structure data model; Construct query of SQL that suitable with the problem; Apply user role and right access to increase security in database system.

Topics: Introduction to Databases; Database Environment; Database Planning, Design and Administration; SQL – Data Definition; Security and Administration; SQL – Data Manipulation; Normalization; Entity Relationship (ER) Modelling; Enhanced Entity-Relationship Modelling; Data Warehousing Concepts.

ISYS6353 – IT GOVERNANCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain a path between CG and Governance of enterprise, various framework support governance enterprise of IT, history of COBIT, the basic concepts that make up COBIT 5, lifecycle for implementation of ITG using COBIT 5, process assessment model, COBIT certification; Discuss categories of enablers of COBIT 5, structure of process in COBIT 5, the role and responsibilities in implementing lifecycle phases, approach to process assessment; Analyze the phase of COBIT 5 implementation lifecycle; Prepare maturity level using process attribute; Construct Business Plan and the Showcased potential business plan.

Topics: Governance; Key Frameworks and Standards Supporting Governance of Enterprise IT; Who Needs the IT Developer?; Who are Our Next 10 Customers in IT Developer Business?; COBIT-From IT Audit to GEIT; Overview of COBIT 5-Governance of Enterprise IT; High Specifications of IT Developer Business; Quantifying the Value Propositions in IT Developer Prods/Services; The Seven Enablers of COBIT 5; Domains and Processes; Where is Your Positions? (Chart

Competitive Position); Designing Business Model of IT Developer Business; Implementation of GEIT with COBIT 5; COBIT 5 Process Assessment Model; COBIT 5 Resources.

ISYS6402 - BUSINESS ANALYTICS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a collection of computer technologies that support managerial work— essentially, decision making; Classify business analytics activities; Analyze problems in business analytics; Design prototype strategy information system for business analytics.

Topics: The business analytics model; Business analytics at the strategic level; Development and deployment of information at the functional level; Business analytics at the analytical level; Business analytics at the datawarehouse level; The Company's collection of source data; Structuring of a Business Intelligence competency center; Assessment and prioritization of a BA projects; Business analytics in the future.

ISYS6403 - COMPUTER ASSISTED AUDIT TOOLS & TECHNIQUES I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the requirement for penetration test; Explain target in penetration test; Perform penetration test using software provided.

Topics: Beginning with Kali Linux; Penetration Testing Methodology; Target Scoping; Information Gathering; Target Discovery; Enumerating Target; Vulnerability Mapping; Social Engineering; Target Exploitation; Privilege Escalation; Maintaining Access; Wireless Penetration Testing; Kali Nethunter.

ISYS6404 - COMPUTER ASSISTED AUDIT TOOLS & TECHNIQUES II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain with all of the information from ACL software; Perform with all of the information from ACL software; Examine all the information from ACL software.

Topics: Take Your First Look At ACL; Plan Your Project; Acquire Data For Your Project; Access Your Data; Verify the integrity of your data; Analyze your data; Report your finding.

ISYS6442 – APPLIED ERP: FUNDAMENTAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the SAP terminology; Describe business process concept; Relate the basic module concept with other specific module.

Topics: Introduction; Product Overview; mySAP Technology; Navigation 1; Navigation 2; System Wide Concepts; Logistics 1; Logistics 2; Accounting: Financial and Management Accounting 1; Accounting: Financial and Management Accounting 2; Accounting: Financial and Management Accounting 3; Human Capital Management

ISYS6443 – APPLIED ERP: BUSINESS PROCESS IN SALES AND DISTRIBUTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the business process to make, to update, and to display master data in sales and distribution; Explain the business process to make, to update, and to display all document in the relationship with sales and distribution; Explain the relationship among sales and distribution, material management, production and accounting area; Analyze the sales and distribution report; Explain customizing for specific sales requirements.

Topics: Introduction to Sales and Distribution; Enterprise Structures in Sales and Distribution; Overview of Sales Processes; Master Data in Sales and Distribution; Sales and Distribution Processes-Data Determination and Collective Processing; Availability Check; Make-to-Order; Complaints Processing; Analyses for Sales and Distribution Processes; Company Structures-Customizing; Sales Order Processing; Controlling Sales Documents; Data Flow; Special Business Transactions; Incompleteness; Business Partner; Outline Agreements; Material Determination, Listing, and Exclusion; Free Goods; Case Study; Review Material (Level 2); Review Material (Level 3).

ISYS6444 - APPLIED ERP: BUSINESS PROCESS IN PROCUREMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create material master records, vendor master records, and purchasing information records; Create purchase requisitions, requests for quotations , contracts, and purchase orders; Create goods receipts and incoming invoices and display the documents generated when they are posted; Analyze the postings that occur when goods receipts and invoices are entered; Differentiate between the moving average price material valuation procedure and the standard price valuation procedure; Use the various options for optimizing purchasing.

Topics: Navigation; Basics of Procurement; Master Data; Procurement of Stock Material; Procurement of Consumable Material; Procurement of External Services; Automated Procurement; Reporting and Analysis Functions; Sources of Supply; Source Determination; Optimized Purchasing and Invoicing Plan; Document Release Procedure; Invoice Entry; Variances and Invoice Blocks; Subsequent debits, delivery costs, and credit memos; GR/IR Account Maintenance; Review Material (Level 3).

ISYS6445 - APPLIED ERP: BUSINESS PROCESS IN HUMAN CAPITAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Execute business process in Human Capital Management in order to create, to update, and to display master data as well as transaction data; Analyze business process and all documents needed in Human Capital Management; Execute business process in Human Resources Master Data, Time Management, and Reporting.

Topics: Navigation; Structure in Human Capital; Personnel Administration; Time Management; Introduction to Payroll; Recruitment; Personnel Development; Learning; Enterprise Compensation Management; Personnel Cost Planning; End-user Service Delivery; Analytics : Basic; Reviews; Essentials; Employee Information; Education and Training; Remuneration Adjustments; Analytics : Advanced; Course Review; Hiring an Employee; Managing and Executing; Enterprise Structure; Organizational Structure; Additional Organizational Assignment; Defining Default Values – Features; Personal Data; Links Between Planned Working Time and Basic Pay; Remuneration Structure; Wage Type Structure; Infotypes; Personnel Actions; Global Employment ERP 6.0; HR Administrator and Employee Interaction Center; Mini Case Study; Review.

ISYS6446 - APPLIED ERP: BUSINESS PROCESS IN FINANCIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Execute the business process in order to create, to update, and to display master data in Financial and Controlling; Analyze business process and all documents needed in Financial and Controlling; Execute transaction process in external accounting and utilize the organizational units, master data, and documents from Financial accounting.

Topics: Navigation; General Ledger Accounting; Account Payable; Account Receivable; Asset Accounting; Bank Accounting; Preparing Financial Accounting; Basic Settings; Master Data; Document Control; Posting Control; Clearing; Cash Journal; Special G/L Transactions; Parking Documents.

ISYS6478 - RESEARCH METHODS IN INFORMATION SYSTEMS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the basics of research methodology and the research report; Choose appropriate sampling and research design; Construct questionnaires, measurement and scaling, and research proposal; Interpret the results of statistics calculation.

Topics: Introduction to Research Methodology; Problem Definition: The Foundation of Information System Research; Quantitative and Qualitative Research Tools; Survey Research; Measurement and Scaling Concepts; Sampling Designs and Sampling Procedures; Basic Data Analysis; Communicating Research Results.

ISYS6477 - ADVANCED IN BUSINESS APPLICATION DEVELOPMENT (4/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Create a project for the Business Application Development; Define business process model and user requirements; Create Requirement Analysis document for proposed business solutions; Design Business System Application solutions using appropriate technology; Build an Application System for Proposed Business Solutions.

Topics: Introduction to Business Application System Development; Business Application Development Project; Business Requirement Gathering; Determine Business Requirement and Solution; Define and modeling User Requirements; Design The Proposed Application System based on Business Requirements; Design Input, Output, and Database; Systems Implementation; System Integration and Testing; Business Application Development Reporting.

ISYS6490 - INFORMATION SYSTEM AUDITING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain The information system based auditing, its controls and the key activities, and IT governance (COBIT Framework); Explain The use of CAATs for data extraction, gathering accounting data, testing application controls, performing substantive tests and analyzing the data; Evaluate General controls, application controls, and fraud issues associated with computer-based business processes and ERP systems.

Topics: Auditing and Internal Control; Control Objective for Information Technology (COBIT); Auditing IT Governance Controls; Computer Assisted Audit Techniques (CAATs); Data Structures and CAATs for Data Extraction; Transaction Processing and Financial Systems Overview; Auditing the Revenue Cycle; Auditing the Expenditure Cycle; Enterprise Resource Planning (ERP) Systems; Business Ethics, Fraud, and Fraud Detection.

ISYS7052 – IS RISK MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the information related to a security system; Explain the information related to a security system; Perform the risk management process illustration.

Topics: What is Information Security?; Identification and Authentication; Authorization and Access Control; Auditing and Accountability; Cryptography; Laws and Regulations; Operations Security; Human Element Security; Physical Security; Network Security; Operating System Security; Application Security.

ISYS7155 – APPLIED DATABASE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate Basic Oracle Database; Analyze What is required in database system from the perspective of a particular job role (such as Manager or Supervisor) or enterprise application area (such as marketing, personnel, or stock control); Create SQL commands; Create Advance scripts; Combine PL/SQL commands in procedures and functions; Create Packages.

Topics: Introduction & Select Statement; Restricting, Sorting Data & Using Single-Row Functions to Customize Output; Reporting Aggregated Data Using the Group Functions & Displaying Data from Multiple Tables; Using Sub queries to Solve Queries & SET Operators; Manipulating Data & Using DDL Statements to Create and Manage Tables; Creating Other Schema Objects Categorize simple and complex views and compare them; Managing Objects with Data Dictionary Views; Controlling User Access & Manage Schema Objects; Manipulating Large Data Sets; Generating Reports by Grouping Related Data & Managing Data in Different Time Zones; Hierarchical Retrieval; Regular Expression Support; Introduction to PL/SQL & Declaring PL/SQL Identifiers; Writing Executable Statements & Interacting with the Oracle Server; Writing Control Structures; Working with Composite Data Types; Using Explicit Cursors; Handling Exceptions & Creating Stored Procedures & Functions; Introduction PLSQL Dev & Creating Stored Procedures; Creating Stored Functions; Creating Packages & Using More Package Concepts; Utilizing Oracle Supplied Packages in Application Development & Dynamic SQL and Metadata; Design Considerations for PL/SQL Code; Managing Dependencies & Manipulating Large Objects; Creating Triggers; Applications for Triggers & Understanding and Influencing the PL/SQL Compiler.

ISYS7156 – APPLIED DATABASE II (4 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: Explain Oracle 12c SQL and PL/SQL New Features; Create PL/SQL Code; Use Advanced Interface Methods; Use Oracle SerureFiles; Use Result Cache; Use Oracle SQL Developer.

Topics: Analyzing, Profiling, and Tracing PL/SQL Code; Overview of PL/SQL Programming Concepts; Oracle 12c SQL and PL/SQL New Features; Designing PL/SQL Code; Using Collections; Using Advanced Interfaced Methods; Virtual Private Database; Oracle Secure Files; Tuning the PL/SQL Code; Result Cache; Safeguarding PL/SQL Code against SQL Injection; Working With Oracle SQL Developer.

ISYS7157 – APPLIED DATABASE III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain memory and space the Database; Demonstrate the tools in Oracle; Explain architecture Oracle; Create the responsibility, backup, restore, and recovery in Oracle.

Topics: Automating Tasks with the Scheduler; Linux; Introduction & Installing the Oracle Database Software; Creating an Oracle Database & Managing the Instance; Managing Database Storage Structures & Administering User Security; Managing Schema Objects; Managing Data and Concurrency; Managing Undo Data & Implementing Oracle Database Security; Configuring the Oracle Network Environment; Proactive Maintenance; Performance Management; Backup and Recovery Concepts & Performing Database Backups; Performing Database Recovery; Performing Flashback & Moving Data; Introduction Admin II & Configuring Recovery Manager; Using Recovery Manager; Database Recovery & Flashback; Dealing with Database Corruption & Monitoring and Managing Memory; Automatic Storage Management; Managing Schema Objects & Managing Storage; Automatic Performance Management; Database Security; Using Globalization Support & Workshop.

ISYS7229 - ERP FOR FINANCIAL AND CONTROLLING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Enterprise Resource Planning concept and its implementation especially in Financial and Controlling Process; Describe the concept and implementation of Financial Technology; Analyze the implementation of Financial Technology.

Topics: Enterprise Resource Planning Concept; Financial Accounting in ERP System; Introduction of Financial Technology; Financial Technology Themes; Financial Technology Hubs; Emerging Markets and Social Impacts; Financial Technology Solution; Capital and Investment; Enterprise Innovation; Case Study of Financial Technology; Crypto-currencies and Blockchains; Future of Financial Technology.

ISYS8066 – BUSINESS PROCESS MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain concept of business process management and architecture; Analyze business process reengineering for development and implementation; Propose a new business process and make analysis; Create necessary diagram as the result of the updated Business Process.

Topics: Introduction/Overview of Business Process Management; Improve Business Process; Who should be involved in BPM; Critical Success Factor; The Development of BPR; Framework overview and Guidelines on How to Use the Framework; Foundations Phase; Enablement Phase; Launch Pad Phase; Understand Phase; Innovate Phase; People and Develop Phase; Implement Phase; Realize Value Phase; Sustainable Performance Phase.

ISYS8108 – KNOWLEDGE MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Use a framework and a clear language for knowledge management concepts; Describe how valuable individual, group and organizational knowledge is managed throughout the knowledge management cycle; Explain different knowledge type and how they are addressed by knowledge management; Describe the major roles and responsibilities in knowledge management implementations; Identify some of the key tools and techniques used in knowledge management applications; Evaluate major KM issues such as ethics, knowledge ownership vs. authorship, copyright, intellectual property, and knowledge sharing incentives.

Topics: Introduction to Knowledge Management; The Knowledge Management Cycle; The Knowledge Management Models; Knowledge Capture and Codification; Case Study 1; Knowledge Sharing and Communities of Practice; Knowledge Application; The Role of Organizational Culture; Case Study 2; Knowledge Management Tools; Organizational Learning, Organizational Memory, and the KM Team; KM Strategy and The Value of KM; The Future Challenges for KM.

ISYS8224 - IT STRATEGIC MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the main issues in effective management and use of IT resources; Define the importance of the alignment of IT strategy with business strategies; Analyze the decisions taken in case of strategic information systems planning; Define the critical role that IT Governance plays in how much value an enterprise receives from IT; Assess the value of IT investments; Analyze the strategic issues regarding IT outsourcing.

Topics: The Information Systems Strategy Triangle; Strategic Use of Information Resources; Organizational Strategy and Information Systems; Information Systems and the Design of Work; Information Systems for Managing Business Processes; Architecture and Infrastructure; The Business of IT; Governance of the Information Systems Organization; Information Systems Sourcing; Knowledge Management, Business Intelligence, and Analytics; Using Information Ethically.

SUBJECT AREA: JAPN**JAPN6003 – CONVERSATION AND LISTENING COMPREHENSION I (*KAIWA TO CHOOKAI I*) (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Paraphrase Students are able to paraphrase the content of learning materials by using simple Japanese grammars and expressions; Apply Students are able to apply Japanese grammars and expressions in the form of simple conversation as well as to understand the given learning materials; Use Students are able to use basic Japanese grammars and expressions learnt not only from one particular chapter of the materials, but also by combining with other chapters to make longer conversations.

Topics: Hajimemashite; Kore Kara Osewa ni Narimasu; Kore wo Kudasai; Sochira wa Nanji made Desuka; Kono Densha wa Koushien e Ikimasu; Isshoni Ikimasenka; Irasshai; Sorosoro Shitsurei Shimasu; Zannen Desu ga; Nanpuraa, Arimasuka; Kore Onegaishimasu; Gion Matsuri wa Dou Deshitaka; Betsu-betsu ni Onegai Shimasu.

JAPN6004 – CONVERSATION AND LISTENING COMPREHENSION II (*KAIWA TO CHOOKAI II*) (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Cite conversations from the given learning materials; Apply Japanese grammars and expressions in the form of simple conversation as well as to understand the given learning materials; Use basic Japanese grammars and expressions learnt not only from one particular chapter of the materials, but also by combining with other chapters to make longer conversations.

Topics: Midori chou made onegaishimasu; Gokazoku wa?; Tsukaikata wo oshiete kudasai; Dou shimashitaka?; Shumi wa nandesuka?; Daietto wa ashita kara shimasu; Review (Chapter 14-19); Isshoni Ikanai?; Watashi mo sou omoimasu; Donna heya wo osagashi desuka?; Dou yatte ikimasuka?; Tetsudai ni ikimashouka?; Iroiro osewa ni narimashita.

JAPN6005 – CONVERSATION AND LISTENING COMPREHENSION III (*KAIWA TO CHOOKAI III*) (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify basic level the vocabulary and grammar; Explain vocabulary and grammar usage; Demonstrate vocabulary and sentence patterns in the real conversation.

Topics: Chapter 26: Gomi wa doko ni dashitara ii desu ka?; Chapter 27: Nan de mo tsukurerun desu ne; Chapter 28: Shucchou mo ooi shi, shiken mo aru shi..; Chapter 29: Wasure mono wo shite shimattan desu; Chapter 30: Hijou bukuro wo junbi shite okanaito; Chapter 31: Ryouri wo naraou to omotte imasu; Chapter 32: Muri wo shinai hou ga ii desu yo; Chapter 33: Kore wa dou iu imi desu ka?; Chapter 34: Watashi ga shita toori ni, shite kudasai; Chapter 35: Doko ka ii tokoro, arimasen ka?; Chapter 36: Mainichi undou suru you ni shite imasu; Chapter 37: Kinkakuji wa 14 seiki ni tateraremashita; Chapter 38: Katadzukeru no ga suki nan desu.

JAPN6006 – CONVERSATION AND LISTENING COMPREHENSION IV (*KAIWA TO CHOOKAI IV*) (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify basic level the vocabulary and grammar; Explain vocabulary and grammar using; Demonstrate vocabulary and sentence patterns in the real conversation.

Topics: Okurete & sumimasen; Tomodachi ga dekitaka douka shimpai desu; Nimotsu wo azukatte itadakemesenka; Boonasu wa nani ni tsukaimasuka; Yasashisou desune; Kono shashin mitai ni shite kudasai; Isshoukenmei renshuu shita noni; Mou sugu tsuku hazu desu; Konyaku shita sou desu; Yasumasete itadakemasenka; Yoroshiku otsutae kudasai; Kokoro kara kansha itashimasu; Fukushuu.

JAPN6008 – THESIS (*ROMBUN*) (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analyze research data according to research problem by applying theories of Linguistics, Society & Culture and Literature; Create a conclusion as answer of research problem; Write thesis in accordance to Thesis/Academic Paper Guidelines and Prosedur (Prosedur dan Petunjuk Penulisan Skripsi).

Topics: Writing the Introduction (4); Focusing a Researchable Topic (1); Focusing a Researchable Topic (2); Focusing a Researchable Topic (3); Focusing a Researchable Topic (4); Finding, Selecting, and Reading Sources (1); Finding, Selecting, and Reading Sources (2); Finding, Selecting, and Reading Sources (3); Finding, Selecting, and Reading Sources (4); References and Quotations (1); References and Quotations (2); References and Quotations (3); References and Quotations (4); Grouping and Documenting Information (1); Grouping and Documenting Information (2); Grouping and Documenting Information (3); Grouping and Documenting Information (4); The Methodology (1); The Methodology (2); The Methodology (3); Writing an Outline (1); Writing an Outline (2); Writing an Outline (3); Writing an Outline (4); Writing an Outline (5); Writing the Introduction (1); Writing the Introduction (2); Writing the Introduction (3); Writing the Body (1); Writing the Body (2); Writing the Body (3); Writing the Body (4); Writing the Conclusion (1); Writing the Conclusion (2); Writing the Conclusion (3); Revising the Final Draft (1); Revising the Final Draft (2); Revising the Final Draft (3); Tha Abstract (1); Tha Abstract (2).

JAPN6013 – WRITING AND READING I (*KAKIKATA TO YOMIKATA I*) (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Combine distinguish hiragana, katakana, kanji on kunyomi or onyomi; Identify basic kanji such as vocabulary and sentences; Use kanji for writing and reading.

Topics: Kana moji; Kanji Made Pictures 1; Kanji Made Pictures 2; Numbers; Kanji Made from Signs; Kanji Made from Combination; Kanji Made from Pictures 3; Kanji Made from Pictures 4; Kanji for Adjectives 1; Kanji for Verbs 1; Kanji for Time; Radicals 1 (left and right); Fukushuu.

JAPN6014 – WRITING AND READING II (*KAKIKATA TO YOMIKATA II*) (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Apply several concepts related to Japanese kanji characters (radicals, affixes, etc); Write kanji characters learned from Basic Kanji Book I (Chapter 12 - 22); Read kanji characters learned from Basic Kanji Book I (Chapter 12 - 22).

Topics: Chapter 12: Bushu 2 (Kanmuri, Ashi); Chapter 13: Bushu 3 (Tare, Kamae); Chapter 14: Bushu 4 (Nyou); Chapter 15: Ningen Kankei no Kanji; Chapter 16: Keiyoushi no Kanji 2; Chapter 17: Doushi no Kanji 2 (Idou wo Arawasu Kanji); Fukushuu I; Chapter 18: Ichi wo Arawasu Kanji; Chapter 19: Setsuji no Kanji; Chapter 20: Nihon no Gyousei Kubun; Chapter 21: ~suru Kanji; Chapter 22: Futatsu no Kanji kara Dekita Meishi; Fukushuu II.

JAPN6015 – WRITING AND READING III (*KAKIKATA TO YOMIKATA III*) (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify basic kanji such as: vocabulary and sentences; Use kanji for writing and reading; Demonstrate kanji in writing and reading.

Topics: Hobbies; Opposite Actions; Wedding Ceremonies; Japan's Four Seasons; Jobs; Test Questions; An Entrance Examination; Fukushuu 1; Radicals 5; Travel; Means of Transportation; Signs; General Terms for Tools and Utensils; Fukushuu 2.

JAPN6017 – HISTORY OF JAPAN (*NIHONSHI*) (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify Japanese history period; Explain the reasons of beginning and expiration of each period; Describe politic and society condition in each period.

Topics: Prehistoric Period and Early Monarchy Period (to 710); Early Monarchy Period - Nara Period; End of Monarchy Period - Heian Period; Review of Prehistoric Period - End of Monarchy Period; Early Feudal Period - Kamakura Period; Early Feudal Period - Muromachi Period; Early Feudal Period - Azuchi Momoyama Period; Review of Early Feudal Period (Kamakura Period-Azuchi Momoyama Period); End of Feudal Period - Edo Period (1); End of Feudal Period - Edo Period (2); Modern Period - Meiji Period (1); Modern Period - Meiji Period (2); Review of Edo Period- Meiji Period.

JAPN6019 – IMAGES OF JAPAN (*NIHON JIJOU*) (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize Japanese geography, society and culture; Describe Japanese life and culture; Explain Japanese prefectures, life and culture.

Topics: Geography and Climate; Travel Japan; Transportation; Clothing and Housing; Food and Drink; Annual Events and National Holidays; Customs and Rituals; Religion; Sports and Leisure; Arts and Craft; Popular Culture and Mass Media; Education in Japan; Japan Region: Kyushu Region and Okinawa.

JAPN6020 – CONTEMPORARY JAPANESE SOCIETY (*GENDAI NIHONJIN SHAKAI*) (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize religions and thoughts that influence Japanese society; Describe social structures and social concept of Japanese society; Summarise social phenomena that arise in modern society.

Topics: Modern Japanese Society; Japanese Thought and Religion; Japanese Social Concept (1): On, Giri, and Gimu; Japanese Social Concept (2): Honne, Tatemae, Uchi and Soto; Japanese Social Concept (3): Sempai, Kohai and Haji no Bunka; Minority Group; Modern Japanese Education; Modern Japanese Woman; Japanese Social Problem (1): Ijime and Hikikomori; Japanese Social Problem (2): Koreika Shakai, Rojin Mondai and Kodokushi; Japanese Social Problem (3): Working Poor and Karoshi; Japanese Social Problem (4): Monster Parent; Japanese Culture.

JAPN6029 – JAPANESE PHONOLOGY AND MORPHOLOGY (*NIHON NO ONSEIGAKU TO KEITAIGAKU*) (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Adopt the Japanese vocal and consonant to produce good intonation in speaking; Build sentences which Japanese using in the formal and informal situation; Analyze Japanese sentences.

Topics: Japanese Phonetics; Onsetsu to mora; Accent and intonation; Japanese Phonology; On'in; Japanese Morphology; Gorui/ Hinshi; Gokeisei.

JAPN6032 – JAPANESE WORK ETHICS (*BIJINESU MANA*-) (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify manner and cultural patterns in Japanese company; Describe manner and cultural patterns in Japanese company; Apply manner and cultural patterns in Japanese company.

Topics: shukkin mae no junbi midashinami wo totonoeru; shokuba de kihon no mana; shinjin ga saisho ni makasareru shigoto no ruru; shokuba de no kaiwa no kihon; denwa outai no ruru to mana; raikyaku wo mukaeru junbi to sekkyaku no mana; shitsumon shukkin no mana; bijenesu bunsho no kakikata; settai. pati otsukiai no mana.

JAPN6052 – JAPANESE I (*NIHONGO I*) (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Reproduce basic Japanese grammars and expressions from the text book orally as well as in forms of writing; Give examples of basic Japanese grammar and expressions; Use basic Japanese grammars and expressions learned not only from one particular chapter of the text book, but also by combining with other chapters to express their mind in longer sentences.

Topics: Chapter 1: Hajimemashite; Chapter 2 : Kore Kara Osewa ni Narimasu; Chapter 3 : Kore wo Kudasai; Chapter 4 : Sochira wa Nanji Made Desuka?; Chapter 5 : Kono Densha wa Koushien e Ikimasuka?; Chapter 6 : Isshoni Ikimasenka; Chapter 7 : Irasshai; Chapter 8 : Sorosoro Shitsurei Shimasu; Chapter 9 : Zannen Desuga; Chapter 10 : Nanpura, Arimasuka?; Chapter 11 : Kore, Onegai Shimasu; Chapter 12 : Gion Matsuri wa Dou Deshitaka?; Chapter 13 : Betsubetsu ni Onegai Shimasu.

JAPN6053 – JAPANESE II (*NIHONGO II*) (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Reproduce basic Japanese grammars and expressions from the text book orally as well as in forms of writing; Give examples of basic Japanese grammar and expressions; Use basic Japanese grammars and expressions learnt not only from one particular chapter of the text book, but also by combining with other chapters to express their mind in longer sentences.

Topics: Midori chou made onegaishimasu; Gokazoku wa?; Tsukaikata wo oshiete kudasai; Dou shimashitaka?; Shumi wa nandesuka?; Daietto wa ashita kara shimasu; Review (Chapter 14-19); Isshoni ikanai?; Watashi mo sou omoimasu; Donna heya wo osagashi desuka?; Dou yatte ikimasuka?; Tetsudai ni ikimashouka?; Iroiro osewa ni narimashita.

JAPN6054 – JAPANESE III (NIHONGO III) (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply basic Japanese sentence patterns; Use basic Japanese sentence patterns in daily conversation; Write sentence using basic Japanese patterns.

Topics: Chapter 26: Gomi wa doko ni dashitara ii desu ka?; Chapter 27: Nan de mo tsukurerun desu ne; Chapter 28: Shucchou mo ooi shi, shiken mo aru shi.; Chapter 29: Wasure mono wo shite shimattan desu; Chapter 30: Hijou bukuro wo junbi shite okanaito; Chapter 31: Ryouri wo naraou to omotte imasu; Chapter 32: Muri wo shinai hou ga ii desu yo; Chapter 33: Kore wa dou iu imi desu ka?; Chapter 34: Watashi ga shita toori ni, shite kudasai; Chapter 35: Doko ka ii tokoro, arimasen ka?; Chapter 36: Mainichi undou suru you ni shite imasu; Chapter 37: Kinkakuji wa 14 seiki ni tateremashita; Chapter 38: Katadzukeru no ga suki nan desu.

JAPN6055 – JAPANESE IV (NIHONGO IV) (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify formal and informal sentences in basic Japanese; Apply basic Japanese patterns into a simple paragraphs; Use basic Japanese patterns in daily conversations appropriately.

Topics: Okurete Sumimasen; Tomodachi ga Dekita ka dou ka Shinpai Desu; Gokekkon Omedetou Gozaimasu; Boonasu wa Nani ni Tsukaimasu ka; Mainichi Tanoshisou Desu; Kono Shashin Mitai Ni Shite Kudasai; Koosu wo Machigaeta Baai wa, dou shitara ii desu ka; Senshuu Naoshite Moratta Bakari Nanoni, mata; Konyaku Shita Sou Desu; Yasumasete Itadakemasen ka; Yoroshiku Otsutae Kudasai; Kokoro Kara Kansha Itashimasu; Fukushuu.

JAPN6073 - JAPANESE LITERATURE (NIHON BUNGAKU) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Identify Japan's Literature in Each Period; Describe Japanese literature in each period; Explain the development of Japanese literature in each period; Summarise the development of Japanese literature in each period.

Topics: Introduction to Literature, Japanese Literature; Literature and Form (Poetry, Prose & Drama); Japanese Literature in Jodai Period (Jomon, Yayoi, Kofun & Yamato Jidai); Japanese Literature in Chuukou Period (Nara Jidai/Asuka – Haku'ou); Quiz & Review; Japanese Literature in Beginning of Chuusei Period 1 (Hei'an Jidai); Japanese Literature in Beginning of Chuusei Period 2 (Hei'an Jidai) & Preparation for Mid Exam; Japanese Literature in the End of Chuusei Period (Kamakura, Nanboku, Sengoku Jidai); Japanese Literature in Kinsei Period 1 (Edo Jidai); Japanese Literature in Kinsei Period 2 (Edo Jidai); Japanese Literature in Modern Era 1 (Meiji); Japanese Literature in Modern Era 2 (Showa, Taisho, Heisei); Review & Final Exam Preparation.

JAPN6074 – JAPANESE LANGUAGE PROFICIENCY TEST: INTERMEDIATE LEVEL (NORYOKU SHIKEN III) (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Read Students are able to read words, sentences, and paragraphs given in the test; Give examples Students are able to give examples of vocabulary and grammar usage other than samples given in the test questions; Choose Students are able to choose the right answer from choices given in the test.

Topics: Moji 1 & 2; Goi 1; Goi 2; Goi 3; Bunpou 1; Bunpou 2; Bunpou 3; Dokkai 1; Dokkai 2; Dokkai 3; Dokkai 4; Choukai; Review.

JAPN6082 – JAPANESE SEMANTICS AND SYNTAX (NIHON NO IMIRON-NIHON NO KOBUNHO) (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Choose the word to make a good sentence; Read intermediate Japanese reading and answer the questions about meaning; Create good conversation with the match word to avoid misunderstanding.

Topics: Grammatical Units; Grammatical Functions; Basic Japanese Sentence Patterns; Basic Japanese Sentence Patterns and Constructions; Sentence Types; Lexical Morphemes and Grammatical Morphemes; Denotation and Connotation; Locutionary, Illocutionary, and Perlocutionary Acts; Semantics Characteristics Theory; Paradigmatic Relation.

JAPN6083 – COMPOSITION AND PRESENTATION (SAKUBUN TO HAPYOU) (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain how to make formal sentences in Japanese intermediate level; Appraise level text containing intermediate grammar and vocabulary; Explain how to make research plan; Create presentation in Japanese; Combine the intermediate grammar and vocabulary in the text and daily conversation to be used at presentation.

Topics: Sakubun no Kakikata no Kihon; Jibun no Shumi; Jibun no Sundeiru Basho; Tabemono no Shoukai; Tegami wo Kakikata; Doushite Nihon Go Gakka wo Erandaka?; Hantai to Sansei; Puresenteeshon no Yarikata no Kihon; O-mise no Shoukai; Nihon e Ittara, Nani wo Suru Ka?; Danjo no Kateinai no Yakuwari; Kankyou no Mondai ni Tsuite Shiraberu; Kankyou no Mondai ni Tsuite Happyousuru.

JAPN6108 - SCIENTIFIC RESEARCH METHODOLOGY (KENKYUURIROM) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Identify scientific research and the meaning of truth; Describe the steps of scientific research, scientific truth and examples of types of research method; Use the steps of scientific research and the types of research methods, and demonstrate how to quotation and create; Analyze data and relate to the theory.

Topics: The Logic of Research; Scientific Truth; Formulation of Research Problems; Formulation of Scope and Limitation; The Purpose of Research and How to Write the Purpose of Qualitative Research; The Purpose of Research and Benefits of Research; Theoretical Framework; Determining Topic of Research; Finding and Analyzing Literature; How to Write a Source Quotation; Explain About The Research Methodology; The Meaning of Data and Analysis of Data; The Results and Conclusion of Research.

JAPN6109 - WRITING AND READING IV (KAKIKATA TO YOMIKATA IV) (5 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Write and can read the kanji correctly according to the context of reading; Use kanji correctly in writing and reading middle basic until basic level ending; Produce the kanji correctly according to the context of reading; Define the business model and explain the defined business model.

Topics: L 35 Economic Terminology; Market Segment – Persona; L 36 Kanji for Feelings & L 37 Kanji Lettering; Ideation; L 38 Adjectives 3 & L 39 Airport; Visual Thinking; L 40 Geographical Features; Fukushuu 1; Prototyping; L 41 Kanji Compound 2 & L 42 University Life; Story-telling; L 43 Verbs of Change & L 44 Abstract Ideas; Scenarios in Business; L 45 Affixes 3; Fukushuu 2.

JAPN6111 - INTRODUCTORY JAPANESE I (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concentrate type; Relate introduce myself and others until can ask and answer questions about personal details such as living place and things; Speak in a simple way provided the other person talks slowly and clearly.

Topics: Japanese; My self; Food; Home; Daily Life; Reviu 1; Holiday and day off 1; Towns; Shopping; Holiday and day off 2; Reviu 2; Reviu 3; All Reviu.

JAPN6112 - INTRODUCTORY JAPANESE II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Produce the basic grammar to middle basic Japanese sentence pattern which including greetings, demonstrative words, formal and informal sentences; Use the basic grammar to middle basic Japanese sentence pattern which including greetings, demonstrative words, formal and informal sentences; Demonstrate the basic grammar to middle basic Japanese sentence pattern which including greetings, demonstrative words, formal and informal sentences.

Topics: Watashi to kazoku; Kisetu to tenki; Watashi no machi; Fukushuu 1; Dekakeru; Gaikokugo to gaikoku bunka; Soto de taberu; Fukushuu 2; Shucchou; Kenkou; Oiwai; Fukushuu 3; Dai fukushuu.

JAPN6113 – JAPAN AND INDONESIA IN VARIOUS PERSPECTIVE (NIHON TO INDONESIA NO BUNKA HIKAKU) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Define the Japanese and Indonesian culture, history, economy, ideology, and issues; Compare between the Japanese and Indonesian culture, history, economy, ideology, and issues; Discuss in group discussion to classifying, comparing, and explaining the both of perspective; Summarise the both of perspective of culture, history, economy, ideology, and issues.

Topics: Introduction; Myth; Religion; Pop Culture; Ideology and Nationalism; Social Media; Gender; Family; Language; Urbanization; Education; Personality and Figure; Summary.

JAPN6114 - BUSINESS JAPANESE I (BIJINESU NIHONGO I) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Identify Japanese business customs and conversation; Classify Japanese business customs and conversation; Express Japanese business customs and conversation in dealing business.

Topics: Shotaimen; Shussha, Seki wo Hanareru; Gaishutsu; Kisha; Taisha; Kyuukanegai; Kyuukago; Shigotochu; Ayamaru; Torihikisaki to; Uketsuke; Torihikisaki no Osetsushitsu; Zatsudan.

JAPN6115 - JAPANESE IN TRANSLATION I (NIHONGO HONYAKU I) (2 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Identify and classify the Japanese language as a source language; Translate and interpret the Japanese language to Indonesian Language; Adopt and compose the translation and interpret from Japanese language to Indonesia language into cultural context.

Topic: Introduction to Translation; Equivalence Part 1; Equivalence Part 2; Practise of Translation Part 1; Practise of Translation Part 2; Shift in Translation; Practise of Translation Part 3; Tehnique of Translation; Practise of Translation Part 4; Practise of Translation Part 5; Tehnique of Interpreting; Practise of Interpreting Part 1; Practise of Interpreting Part 2.

JAPN6116 - JAPANESE CORPORATE CULTURE AND MANAGEMENT (NIHON NO KIGYOU BUNKA TO MANEEJIMENTO) (2 Credit)

Learning Outcome: On successful completion of this course, student will be able to: Define Japan's business culture; Describe Japan's corporate culture and the challenges; Summarise the combination of cultural facts and extensive descriptions of Japanese Corporate Culture; Analyze the Japanese Corporate Culture.

Topics: Approach to Business & Negotiating; Japanese Style Management; Review 1; The Challenges of Japanese Communications; Sales The Japanese Way; Japan's Brand of Capitalism; Review 2; Challenges & Foibles in Japan (GGD Inc & PNQ Inc); Challenges & Foibles in Japan (The QTF Company & The A.M. Corporation); Critical Role of the Translator & Cultural Facilitator; Critical Role of the Translator & Cultural Facilitator; Additional Strategies for Succeeding in Japan; Review 3.

JAPN6117 - INTERMEDIATE JAPANESE (CHUUKYUU BUNPOU) (4 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Recognize the main points of clear standard input on familiar matters regularly; Summarise slightly difficult main topics encountered in everyday situations and the main points of the content; Apply intermediate Japanese grammar with simple connected topics which are familiar or of personal interest.

Topics: Chapter 1; Chapter 2; Chapter 3; Chapter 4; Chapter 5; Chapter 6; Chapter 7; Chapter 8; Chapter 9; Chapter 10; Chapter 11; Chapter 12; Evaluation.

JAPN6118 - TEXT ANALYSIS (CHUUKYUU DOKKAI) (4 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Define the writer's idea in a text; Appraise level text containing intermediate grammar and vocabulary; Combine the intermediate grammar and vocabulary in the text and daily conversation.

Topics: Dokkai 1-4; Dokkai 5-8; Dokkai 9-12; Dokkai 13-16; Dokkai 17-20; Dokkai 21-23.

JAPN6119 - BUSINESS JAPANESE II (BIJINESU NIHONGO II) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Identify the factual problems about concept of ordinary mail and business mail; Compose the Japanese business mail; Apply the concepts of Japanese business mail.

Topics: The Basic of Mail Rule and Manner 1; The Basic of Mail Rule and Manner 2; The Basic of Mail Rule and Manner 3; Review and Assignment 1; Solving Problem in Writing Mail 1; Solving Problem in Writing Mail 2; Solving Problem in Writing Mail 3; How to Writing Mail in Different Situation 1; How to Writing Mail in Different Situation 2; How to Writing Mail in Different Situation 3; The Method to Solving Problem and Trouble on Business Mail; Review and Assignment 2; The Most Effective Techniques on Business Mail and Summarize.

JAPN6120 - JAPANESE IN TRANSLATION II (NIHONGO HONYAKU II) (3 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Identify and classify the Japanese language as a source language; Translate and interpret the Japanese language to Indonesian Language and Vice Versa; Adopt and compose the translation and interpret from Japanese language to Indonesia language into cultural context; Construct the business plan and evaluate the business model.

Topics: Review on Japanese in Translation; Customer Profile; Advance Japanese Text Part 1 : Newspaper; The Next 10 Customer; Advance Japanese Text Part 2 : Novel; High level Specs Product/Service Specification; Indonesia to Japanese Translation; Manga Translation Part 1; Manga Translation Part 2; Quantify Value Proposition; Chart Competitive Position; Manga Translation Part 3; Design Business Model; Simultaneous Interpreting Part 1; Simultaneous Interpreting Part 2; Consecutive Interpreting Part 1; Consecutive Interpreting Part 2; Consecutive Interpreting Part 3; An Overview of Japanese In Translation.

JAPN6121 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Feel the direct work on an industry, gaining work experience in the industry and know the real work environment within an industry. Students will be able to know the process of work in the company, comparing science earned in lecturing with the industry and apply skills obtained in the lecture to the industrialized world.

Topics: How to Choose and find a place of internship; preparing a CV and job interview; Knowing the internship place profiling; Internship implementation, How to create internship reports; internships results presentation.

JAPN6122 – JAPANESE CULTURE AND TECHNOLOGY IN INDUSTRY (*KIGYOU NO BUNKA TO GIJUTSU*) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: identify the basic of culture & technology in industry, describe the culture & technology in Japanese industry, and analyze the culture & technology of Japanese industry.

Topics: Japanese philosophy, 5S, kaizen, SOP-SOM, safety & cleanness, risk prediction, and many more.

JAPN6123 - JAPANESE LANGUAGE IN INDUSTRY (*BIJINESU NIHONGO JISSHUU*) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: identify the language in Japanese industry, recognize the Japanese culture in industry, and demonstrate the culture of Japanese language in industry.

Topics: vertical, horizontal, and diagonal connection; language in internal & external company.

JAPN6125 - PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcome: By the end of this course, students are able to: feel the direct work on an industry, gaining work experience in the industry and know the real work environment within an industry. Students will be able to know the process of work in the company, comparing science earned in lecturing with the industry and apply skills obtained in the lecture to the industrialized world.

Topics: Evaluating the problems, finding the solutions, kaizen, implementation of evaluation and finding, strategy of counter measure, soft skills, presentation the conclusion.

JAPN6127 - JAPANESE FOR SPECIFIC PURPOSE IN INDUSTRY (*OUYOU BIJINESU NIHONGO JISSHUU*) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: identify the technical terms of industry, translate & interpret the technical terms, demonstrate the activity industry with Japanese language.

Topics: Technical terms, counter measure, SOP-SOM, safety & cleanness, risk prediction, and many more.

JAPN6128 - PROBLEM SOLVING AND COMMUNICATION SKILL (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Collaborate in a multicultural teamwork, play role as a connector between Japan and Indonesia.

Topics: Hierarchy of team works, intern position, job desk, kind of contribute or participate on project, process report by making report.

JAPN6137 - SELF MANAGEMENT AND TEAM WORK SKILL (3 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Collaborate in a multicultural teamwork, play role as a connector between Japan and Indonesia.

Topics: Hierarchy of team works, intern position, job desk, kind of contribute or participate on project, process report by making report.

JAPN6139 – JAPANESE CORPORATE MANAGEMENT IN INDUSTRY (*KIGYOU KEIEI*) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: identify Japanese corporate management, applying Japanese corporate management, and analyze Japanese corporate management as role model in applying in industry.

Topics: Features of Japanese management, people centered management, harmony, consensus and decision making, general management, personnel management, production management.

SUBJECT AREA: LANG**LANG6016 – FRENCH LANGUAGE I (2 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Recognize the employment of French pronunciation that covers alphabetical, punctuation and intonation; Describe the short conversation based on the appropriate situation and vocabularies; Classify the object based on the appropriate genre and article.

Topic: The French Pronunciation; The Identity; The Indefinite and Definite Article; The Number; The Nationality; The Activities; The Negative Sentences; The Preference; The Daily Activities; The Public Places; The Question Sentences; The Directions; The Time.

LANG6017 - FRENCH LANGUAGE II (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the available place in the restaurant in French; Take the reservation by phone in the restaurant in French; Explain the general information about: operating time, time schedule, colour, season, weather in French; Explain to the guest what they can and can't do in French; Welcome the guest (with reservation) at the hotel's reception desk in French; Fill in the guest's reservation form in French.

Topics: Take a Reservation by Phone in the Restaurant; Explanation about the Available Place in the Restaurant; General Information about: Operating Time, Time Schedule, Colour, Season, Weather; Explanation about What the Guest can and can't do; Welcome the Guest (already made a reservation) at the hotel's Reception Desk; Fill in the Guest's Reservation Form.

LANG6018 – FRENCH LANGUAGE III (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use oral and written French explaining and asking general information, such as: the entrance fee, the local currency, the distance, the transportation in oral and written French, Use oral and written French in explaining about hotel's equipments and facilities in oral and written French, Design the hotel's brochure in French, Use oral and written French in explaining the information about the facilities and equipments in the hotel's room in oral and written French, Use oral and written French in explaining the direction in oral and written French, Apply the terminologies of simple correspondence in written French.

Topics: General information such as the entrance fee; local currency; distance; transportation, Information about hotel: situation; number of the floors, room; categories; and the other facilities and equipments, Creation of the hotel's brochure, Information about the facilities and equipments in the hotel's room, Direction, Introduction to the correspondence.

LANG6027 – INDONESIAN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify spelling errors in sentences and paragraphs; Compose an academic paragraph; Create scientific writing; Produce an academic presentation based on the topic.

Topics: Sosialisasi Silabus; Sejarah dan Perkembangan Bahasa Indonesia; Ragam Bahasa Indonesia; Kalimat Efektif; Diksi dan Definisi; PUEBI 1; PUEBI 2; Paragraf; Karya Ilmiah; Presentasi Akademik; Karya Ilmiah 2; Kutipan dan Sumber Kutipan; Komunikasi Efektif.

LANG6028 - INDONESIAN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify kesalahan ejaan dan diksi dalam kalimat; Create paragraf akademik; Compile karangan ilmiah sederhana.

Topics: Fungsi Bahasa dan Mekanisme Perkuliahan; Sejarah dan Perkembangan Bahasa Indonesia; Ragam Bahasa; Ejaan Yang Disempurnakan (EYD); Diksi dan Definisi; Kalimat Efektif; Paragraf Akademik; Perencanaan Karangan Ilmiah; Menyusun Karangan Ilmiah; Konvensi Naskah Ilmiah; Teknik Pengutipan dan Penulisan Sumber Referensi; Presentasi Ilmiah; Komunikasi Efektif.

LANG6030 – INDONESIAN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify kesalahan ejaan dalam kalimat dan paragraph; Create paragraf dan paragraf akademik; Compile karangan ilmiah; Design sebuah keterampilan berbicara sesuai jurusan dan presentasi akademik.

Topics: Sosialisasi Matakuliah; Sejarah dan Perkembangan Bahasa Indonesia; Ragam Bahasa Indonesia; Ragam Ilmiah; EYD 1; EYD 2; Kalimat Efektif; Kesalahan Kalimat; Diksi; Istilah dan Definisi; Paragraf; Paragraf Akademik; Topik Karangan Ilmiah; Penalaran dalam Karangan Ilmiah; Karangan Ilmiah 1; Karangan Ilmiah 2; Karangan Ilmiah 3; Konvensi Naskah Ilmiah; Kutipan dan Penulisan Sumber Kutipan; Penyusunan Daftar Pustaka; Presentasi Akademik; Pidato Akademik; Berbicara sesuai Konteks 1; Berbicara sesuai Konteks 2; Komunikasi Efektif 1; Komunikasi Efektif 2.

LANG6032 - ENGLISH PROFESSIONAL (4 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: demonstrate the lower-intermediate-level Academic English listening skills of Basic Comprehension, Pragmatic Understanding, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 14 of scale 30); demonstrate the lower-intermediate-level Academic English reading skills in Vocabulary & Reference, Sentences, Details, Inferences and Reading to learn (a minimum of iBT TOEFL Listening scaled score of 13 of scale 30); demonstrate the lower-intermediate-level Business English speaking skills in terms of Delivery, Ideas Development and Language (a minimum of BINUS English Speaking scaled score of 14 (with minimum speaking rubric mean score of 1.83) of scale 30); demonstrate the lower-intermediate-level Business English writing skills in terms of Content, Ideas Relationship and Language (a minimum of BINUS English Writing scaled score of 14 (with minimum writing rubric mean score of 2.0) of scale 30)

Topics: Basic Comprehension & communication; Vocabulary/Reference & the future of business; Pragmatic Understanding & success; Pragmatic Understanding & raising finance; Vocabulary/Reference, Sentences & Success; Connecting Information & job satisfaction; Details & team building; Listening review & e-commerce; Inferences & takeovers/mergers; Reading to learn & risk.

LANG6035 - BAHASA INDONESIA FOR PRIMARY I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Mengidentifikasi / menemukan ejaan, kata, kalimat, paragraf, ungkapan, metafora, kiasan dan peribahasa, pengetahuan sastra sebagai materi pembelajaran Bahasa Indonesia untuk SD; Explain Menjelaskan dan memberikan contoh ejaan, kata, kalimat, paragraf, ungkapan, metafora, kiasan dan peribahasa, pidato, surat, wawancara dan laporan, pengetahuan sastra, apresiasi sastra, keterampilan menyimak, keterampilan berbicara, keterampilan membaca dan keterampilan menulis sebagai materi pembelajaran Bahasa Indonesia untuk SD; Apply Menerapkan ejaan, kata, kalimat, paragraf, ungkapan, metafora, kiasan dan peribahasa, serta pengetahuan sastra dalam wacana lisan dan tulisan pada materi pembelajaran Bahasa Indonesia untuk SD; Relate Mengaitkan aspek-aspek keterampilan berbahasa: keterampilan menyimak, berbicara, membaca dan menulis dalam berkomunikasi baik lisan dan tulisan.

Topics: Pendahuluan; EYD; Kata 1; Kata 2; Kalimat 1; Kalimat 2; Paragraf 1; Paragraf 2; Ungkapan, Metafora, Kiasan dan Peribahasa 1; Ungkapan, Metafora, Kiasan dan Peribahasa 2; Pidato 1; Pidato 2; Surat dan Ringkasan 1; Surat dan Ringkasan 2; Wawancara dan Laporan 1; Wawancara dan Laporan 2; Pengetahuan Sastra 1; Pengetahuan Sastra 2; Pengetahuan Sastra 3; Pengetahuan Sastra 4; Pengetahuan Sastra 5; Pengetahuan Sastra 6; Keterampilan Menyimak; Keterampilan Berbicara; Keterampilan Membaca; Keterampilan Menulis.

LANG6044 - INTRODUCTORY ARABIC I (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Identify comprehensively Arabic alphabet and other basic vocabularies; Recite simple sentences of Arabic; Explain grammar and writing of basic Arabic; State basic Arabic both for daily and academic needs.

Topics: Introduction to Arabic I; Understanding Arabic for International Relations; The Arabic Alphabet; Arabic Script; Pronunciation of Arabic; Arabic Transliteration; Greetings and Introduction; Formal and Colloquial Arabic; Consonant and Vowels; Word Recognition; Meeting People; Greeting People; Introducing Someone; Vocabulary Practice; Culture: Forms of Address; Vocabulary and Conversation: Being Polite; Noun (Isim); Personal Pronouns; Adjectives; Definite and Indefinite Articles; Building Sentences with Common Prepositions; Working with Verbs: Past Tense; Arabic Number System; Present and Future Tense; Talking about Yourself and your Family; Making Small Talk on the Job (Mihna).

LANG6045 - INTRODUCTORY ARABIC II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify comprehensively Arabic alphabet and other basic vocabularies; Recite simple sentences of Arabic; Explain grammar and writing of basic Arabic; State basic Arabic both for daily and academic needs.

Topics: Introduction to Arabic II; Understanding Arabic for International Relations; Understanding Dhomir continue from Introductory Arabic I; Understanding Isim (Nouns) and Fiil (verbs); Arabic Script; Fiil Mudhori (Present Tense) and Fiil Madhi (Past Tense); Greeting People; Introducing Someone; Personal Pronouns; Adjectives/ Naat-Man'ut; Isim Fail (Subject); Arabic Number System from 20-100; Making Small Talk on the Job (Mihna).

LANG6046 - INTRODUCTORY FRENCH I (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Use the appropriate expression in French to greet as well as to introduce him/herself and someone in the conference situation; Use the appropriate expression in French in asking and in receiving something in the conference situation; Use the appropriate expression in French in identifying someone as well as asking and answering the inquiries in the registration process in conference situation.

Topics: Greet and introduce him/her self in French; Ask and receive something in the conference situation in French; Ask the place in the conference situation in French; Introduce someone in French; Ask about the original country in France; Fill in the form In French.

LANG6047 - INTRODUCTORY FRENCH II (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Speak Express the opinion and ideas in speaking task based on the subject given; Write Express the opinion and ideas in writing task based on the subject given; Read Ability to read the text given and answer all questions related to the text content; Use The capacity of using all languages aspect in a good sentence in oral or writing especially the conjugation.

Topics: La visite; Exprimer un conseil, une interdiction, une obligation 2; Parler au telephone; Enregistrer un message; Exprimer la frequence; Savoir s'orienter; Au restaurant; Une invitation a diner; Chercher une maison; Environnement; Les activites; Deplacement professionnel; Exprimer un conseil, une interdiction, une obligation.

LANG6048 - INTRODUCTORY SPANISH I (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Identify basic Spanish vocabulary and grammar for daily usage; Express basic personal introduction and activities in present time; Give examples of verbs application.

Topics: Introduction of Spanish spoken countries, Spanish language history and the alphabet, basic phonetic system, and syntax (word order); Introduction of definite/indefinite articles for masculine and feminine gender concept; Placement and agreement of adjectives; Introduction of preposition and pronouns; Introduction of cardinal and ordinate numbers; Introduction of time expressions (telling time, date and expressions of weather); Introduction of Presente Indicativo conjugation of regular -AR, -ER, and -IR verbs; Introduction of reflexive verbs; Application of Presente Indicativo conjugation of reflexive verbs and question tags; Application of Presente Indicativo conjugation of reflexive verbs; Introduction of SER, ESTAR, TENER and HABER verbs; Introduction and application of SER, ESTAR, TENER and HABER verbs; Practicing personal introduction in Spanish; Introduction of pronouns, adverbs and Quantitative Adverbials; Introduction of conjugation of irregular -AR, -ER, and -IR verbs; Introduction of conjugation of irregular -AR, -ER, and -IR verbs and auxiliary verbs; Verbs practicing: express obligation and needs, make simple questions; Verbs practicing: express obligation and needs, make short frequent dialogue; Introduction of direct and indirect pronouns; Introduction of the verb Gustar and other similar verbs and Question words: Ask product or information in a shop or public place; Introduction of Presente Progresivo and the application of Gerund (preposition and pronouns); Introduction of Imperative verbs; Talk about job, hobby and other personal activities; Talk in a bank, market, shop; General review; General review 1.

LANG6049 - INTRODUCTORY SPANISH II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify grammatical structures and vocabulary covered in the course; Integrate grammar and vocabulary covered in the course to generate written sentences; Integrate grammar and vocabulary covered in the course to generate conversations.

Topics: Review of present tenses and vocabulary; Introduction of superlatives and diminutives, affirmative and negative expressions and double negation; Introduction of imperative verbs and their application; Introduction of present subjunctive verbs, their application and it clauses; Practice of present subjunctive and it clauses; Practice of present tenses, imperative and subjunctives; Introduction of past tenses participle and preterite and it application; Perfect, past and future participle, and Pretérito (irregular); Practice of past tenses participio; Introduction of Pretérito imperfect; Práctica: Diferencia del uso de Pretérito, imperfecto y participio; Introduction la voz pasiva; ir +a vs iba + a & Pretérito imperfecto de Estar + gerundio adverbs and Quantitative Adverbials; The use of pero and sino, pause words, possessives, si / mismo, Review of gustar verbs; Introduction and application of comparatives, the application of Acabar de, Al + infinitive, cuyo, adverbs, Writing skills, write letters and document; Práctica: Write activities or things that you like or would like to do; Práctica: Write a formal or informal letter; The use of pero and sino, pause words, possessives, si / mismo; Pronombres relativos: el que, los que, la que, las que; Reading skills and comprehension; General review: having discussion in a place; Review of haber (hay), tener, ser, estar; Review application of prepositions, adjectives etc; general review present tense application; general review past tenses application.

LANG6061 - INDONESIAN (1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify accuracy of diction and sentence in a paragraphs; Perform academic paragraphs; Compose scientific essays with a variety of scientific language.

Topics: Diksi dan Kalimat; Paragraf Akademik; Ragam Bahasa Ilmiah; Menulis Ilmiah; Konvensi Naskah Ilmiah; Ulasan Topik.

LANG6088 - BAHASA INDONESIA FOR PRIMARY II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Mengidentifikasi/menemukanenali pendekatan, metode, teknik pembelajaran, kurikulum dan buku teks mata pelajaran Bahasa Indonesia di SD kelas rendah dan kelas tinggi; Menjelaskan dan memberi contoh pendekatan, metode, dan teknik pembelajaran Bahasa Indonesia untuk SD; Menerapkan pendekatan, metode, dan teknik pembelajaran Bahasa Indonesia untuk SD; Mengaitkan empat keterampilan dan materi sastra dalam pendekatan, metode, dan teknik pembelajaran bahasa Indopnesia di SD; Membuat rencana pembelajaran / lesson plan berdasarkan tingkatan kelas; Membuat media pembelajaran dan LKS sesuai dengan materi dan konteks belajar siswa.

Topics: Hakikat Bahasa Dan Pembelajaran Bahasa; Peta Kompetensi Materi Pembelajaran Bahasa Indonesia di SD; Pemerolehan Bahasa Anak; Karakteristik Siswa SD Kelas Rendah & Kelas Tinggi; Pendekatan, Metode, Dan Teknik Pembelajaran Bahasa; Pendekatan Pembelajaran Aprsiasi Sastra di SD; Telaah Kurikulum Dan Buku Teks Mata Pelajaran Bahasa Indonesia Sekolah Dasar Kelas Rendah; Telaah Kurikulum Dan Buku Teks Mata Pelajaran Bahasa Indonesia Sekolah Dasar Kelas Rendah 2; Telaah Kurikulum Dan Buku Teks Mata Pelajaran Bahasa Indonesia Sekolah Dasar Kelas Tinggi; Telaah Kurikulum Dan Buku Teks Mata Pelajaran Bahasa Indonesia Sekolah Dasar Kelas Tinggi 2; Pembelajaran Membaca Dan Menulis Permulaan (MMP); Pembelajaran Membaca Dan Menulis Pemahaman; Pembelajaran Bahasa Indonesia Di SD/MI Kurikulum 2013; Pembelajaran Bahasa Indonesia Di SD/MI; Pembelajaran Bahasa Indonesia Dengan Fokus Membaca 1; Pembelajaran Bahasa Indonesia Dengan Fokus Membaca 2; Pembelajaran Bahasa Indonesia Dengan Fokus Menulis 1; Pembelajaran Bahasa Indonesia Dengan Fokus Menulis 2; Pembelajaran Bahasa Indonesia Dengan Fokus Menulis Tegak Bersambung 1; Pembelajaran Bahasa Indonesia Dengan Fokus Menulis Tegak Bersambung 2; Pembelajaran Bahasa Indonesia Dengan Fokus Menyimak 1; Pembelajaran Bahasa Indonesia Dengan Fokus Menyimak 2; Pembelajaran Bahasa Indonesia Dengan Fokus Berbicara 1; Pembelajaran Bahasa Indonesia Dengan Fokus Berbicara 2; Rencana Pelaksanaan Pembelajaran Bahasa (RPP); Rencana Pelaksanaan Pembelajaran Bahasa (Media).

SUBJECT AREA: LAWS

LAWS6001 - THEORY OF STATE (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Explain the Theory of state; Discover the Theory of state; Manage between classical and modern theory.

Topics: Introduction of The Theory of state; Relation with other science; Value, Function and Status State Science; Types in the history of the principal countries; Definition, purpose and function of the state; Growth, state elements, and an instrument; State Command Theory; Power of the State and Law of Power; State Law; Composition and Modern Democracy; State form, form of government and system of government; State and Globalization.

LAWS6008 - CRIMINAL LAW (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe criminal law as part of jurisprudence; Recognize the basic of criminal law principles; Categorize between violation and criminal offense to correspond in criminal code; Identify a criminal case by determine types criminal offense & break down the elements of such criminal offenses.

Topics: Introduction to criminal law; History Criminal Law in Indonesia; Criminal Law Theory; Scope of Criminal Law; Jurisdiction; Causalities; Strafbbaar fait; Schuld verband & wederrechtelijkheid; Rechtspersoon; Straf-uitsluiting-gronden; Posing; Deelneming; Samenloop van strafbare feiten; Right to Sue; Right to punish; Basic for Criminal Sentencing; Penitentier Recht; Special Crime; Criminal law principles development; Future Indonesian Criminal Code.

LAWS6009 - ISLAMIC LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the scope, characteristics, and purpose of Islamic law; Explain the details sources of Islamic law; al-Quran, as-Sunnah and Ijtihad; Explain an overview about Islamic Economic System; Apply Islamic law in Indonesian Regulation.

Topics: Islamic Law in Faculty of Law Curriculum; Islam and Islamic Law; Sources of Islamic Law; Approach and Implementation of Islamic law; General & Specific Principles in Islamic Law; Theories of Islamic Law's Validity in Indonesia; Islamic Law and Development of National Law; Introduction to Some Regulation Adopted from Islamic Law; Overview of Islamic Economic System; Characteristics of Islamic Economic; KHES.

LAWS6016 - LABOR LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: State the labour regulations as a normative; Recognize the contents in all labour matters; Apply the suitable action regarding the points matter; Identify legal issue in labour law and solve it.

Topics: Introduction to Labour of Law; The Scope of Labour of Law; The Positioning Labour of Law in Indonesian Law System; Working Agreement and Industrial Relation; Manpower Protection & Welfare; Training and Development Working Area; Termination and Assignment of Labour Rights; Labour Inspection; The Union; The Enforcement in Labour of Law; The Autonomy and it's Implication in Labour of Law; Industrial Relation Disputes; The Revision of UU 13/2003 and it's Problem.

LAWS6017 - INTELLECTUAL PROPERTY RIGHTS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the terminology related of the intellectual property rights; Identify the laws and regulations relating to the intellectual property rights; Analyze case studies to solve problems of the intellectual property rights.

Topics: A brief review of IPR; Indonesia and the international regulation of IPR; IPR and developing countries; The Ideas of Copyrights; Trade Mark registration; Developments geographical Indication; Protection of IPR on the Internet; innovation in the patent; Industrial design; Layout designs of integrated circuits; Protection of plant varieties; Confidential information and trade secrets; Protection of traditional knowledge; Anti-monopoly law and intellectual property rights; IPR enforcement in Indonesia; Licensing and franchising.

LAWS6021 - CONSUMER PROTECTION LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Classify the characteristics of consumer protection law; Apply the appropriate legal principles of Law No. 8 Year 1999 on some legal cases; Criticize certain court decisions on consumer protection law cases.

Topics: Introduction to consumer protection law (1); Introduction to consumer protection law (2); Principles of consumer protection law (1); Principles of consumer protection law (2); Principles of consumer protection law (3); Legal Institutions and Consumer Dispute Settlements; Prior-consumer transaction case: Advertising (1); Prior-consumer transaction case: Advertising (2); Consumer transaction case: Standardized contract (1); Consumer transaction case: Standardized contract (2); Post-consumer transaction case: Warranty; Other contemporary issues (1): eco-labelling & transgenic products; Other contemporary issue (2): e-commerce.

LAWS6029 - LEGAL RESEARCH METHODS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Classify characteristics of legal research methods from those of non-legal research methods; Create legal issue as a potential research statement supported with rationale behind; Build a simple research proposal based on a certain legal issue with a right choice of legal research method.

Topics: Introduction to legal research methods; Types of legal research methods; Legal problem formulation; Backgrounds of problem formulation; Backgrounds of problem formulation (GSLC); Objectives and benefits; Summarizing about legal research lectures (GSLC); Conceptual frame of thinking; Studying legal resources (GSLC); Sampling; Quotations-1; Quotations-2; Plagiarism.

LAWS6048 - THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: compose a comprehensive research report comprising of in-depth analyses based on legal theories and practices.

LAWS6058 - ADMINISTRATIVE LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the administrative law concept; Describe Indonesia administrative law; Analyze administrative law principles to analyses current situation.

Topics: Introductions; Public Domain; Authority and Government actions; Legal responsibility; Administrative Law; Source of Administrative Law; Indonesia Government Structure; Government instruments; Public Domain; Authority and Government actions; Principles of state administration development; Legal responsibility; State administration court.

LAWS6062 - PRIVATE INTERNATIONAL LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the main idea of Private International Law by studying the background, development, subject & sources etc; Analyze the leading case and the major problems in Private International Law; Analyse of dispute resolution through arbitration in Private International Law.

Topics: Introduction to Private International Law; History of Private International Law; Connecting Factors in Private International law; Qualifications in Private International Law; Theories Qualification in Private International Law; Renvoi in Private International Law; Incidental Question; Public Order and Rights Acquired; Jurisdiction of the Court and Arbitration; Principles of Private International Law in subject, family and property law; Principles of Private International Law in agreement and tort; Implementation of Foreign Court Decisions in Indonesia; Recognition and Enforcement of Foreign Arbitral Awards in Indonesia.

LAWS6071 – INTRODUCTION TO COMMERCIAL AND PRIVATE LAW (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain theory of civil and commercial law; Define theories and key concept of ethics; Define type of common business entities and the Indonesian business entities; Define the business law related for broker, insurance, financial institutions, and syariah banking; Describe treatment of business, employment contracts and business dispute.

Topics: Introduction to Civil and Business Law; Key Concept of Ethics; Ethics for Accountant and Criminal Law; Common type Of Business Entities; Indonesian Business Entities; Broker In Indonesia; Business and Employment Contracts in Indonesia; Insurance Business in Indonesia; Financial Institutions; Syariah Banking; Settlement of Business Dispute.

LAWS6075 – LEGAL ASPECT IN ECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the law and ethic; Apply type of the law and legal basis; Analyze about legal aspect in economic.

Topics: Introduction to Law; Property Law; Contract; Types of companies; Intellectual Property Right I; Intellectual Property Right II; Industrial Relation I; Industrial Relation II; Capital Market Law; Antitrust; Consumer Law; Bankruptcy; Alternative Dispute Settlement I.

LAWS6080 - INTRODUCTION TO JURISPRUDENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the meaning of norm/rule in society; Describe the various perspectives or theories of law and the structure and system of law; Analyze the problems of law in society and the implementation.

Topics: Human and the Society; Understanding of the Law; Legal Definitions As Handbook; Law-purpose; Formal and Material Resources; Legislation of the Republic of Indonesia; Why People Obey to the Law; Rechtsvinding by judge; Interpretation of Laws; Completion of Absence Law; Law Codifications; Kind of Law; The nature of the legal rule; Rule of Law and Other; Subject and Object of Law; Legal Actions; Understanding and assorted Rights; Legal Events; Political Law; Philosophy of Law.

LAWS6081 - INTRODUCTION TO INDONESIAN LEGAL SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the Indonesia legal system, the sources of Indonesia Law and how it influence to Indonesia Law; Recognize Indonesia existing law; Classify the Indonesia existing law, including constitutional, administrative, private, criminal, procedural, commercial, agrarian, tax, labour and international law.

Topics: Introduction to Indonesia Legal System; Indonesia Legal System; Constitutional Law; Administrative Law; Criminal Law; Private Law; Procedural Law; Commercial Law; Islamic and Adat Law; Agrarian Law; Labour Law; Tax Law; International Law.

LAWS6082 - EMPIRICAL LEGAL SCIENCES (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the empirical legal sciences; Explain the Theory of an empirical legal sciences; Analyze the empirical legal sciences.

Topics: Legal Disciplines; Legal Dogmatic versus Empirical Legal Sciences; History of Law; Sociology of Law; Anthropology of Law; Psychology of Law; Criminology of Law; Viktimologi; Legal Politics; Legal Semiotics.

LAWS6083 - CONSTITUTIONAL LAW (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain Constitutional Law concepts; Analyse the theory of Constitutional law; Analyse of the Constitutional Law Implementation.

Topics: Introduction; Object of Constitutional Law; Study of Constitutional Law; Sources of Constitutional Law; Law and Constitutional Theory 1; Law and Constitutional Theory 2; Theory of Legislation; Mechanism of Formation and Judicial Review; Political Parties; Electoral System; Legislative Institutions; Various Legislative Bodies; Presidency Institution; Relationship to Other State Institutions; Judicial Power; Judicial Power in the perspective of Constitutional law; Citizenship; Citizen's Rights and Obligations; Human Rights; Human Rights Implementations; Good Governance; Implementation of the Good Governance Concept; Regional Autonomy 1; Regional Autonomy 2; Constitutional Amendment 1; Constitutional Amendment 2.

LAWS6084 - PRIVATE LAW (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the Theory and basic concepts related to Private law; Explain the laws and regulations relating to private law; Describe the use of private laws and regulations as a tool to solve the private problems; Analyze the solution for private issues according to private laws.

Topics: Introduction to Indonesian Private law; The Subject of Private Law; Legal Entities; Family Law; Marital Law; Property law; Ownership; Warranty Law; Inheritance Law; Obligation; Contractual Obligation; Termination of Obligation; Evidence and prescription.

LAWS6085 - INTERNATIONAL LAW (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the nature of international law, The subject, the sources and related theories in International Laws, related aspects in Trade International and Economic International Laws; Describe the concepts in International Laws, Trade International and Economic International; Classify every case arise among International Laws, Trade International and Economic International and knowing the steps how to solve the case in each institution.

Topics: Introduction to International Law; Nature and Power Binding International Law; Relationship International Law and National Law; The Subject of International Law; The Sources of International Law and Ratification of Treaty; Recognition in International Law; Territorial Sovereignty; Jurisdiction and State Responsibility; Succession of State in International Law; WTO and Related Agreement and Issues; International Economic Law, Subject and Sources; ASEAN and Organization in International Economic; International Disputes Settlement.

LAWS6086 - PROCEDURAL LAW (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Underline Civil and Criminal Procedural Law principles; Identify and analyze Civil and Criminal procedural law case to solve such; Discover Civil and Criminal Procedural Law problems; Review Civil and Criminal procedural law mechanism and court trials process; Prepare the Legal Documents needed in Civil and Criminal Courts hearing process; Experiment Civil and Criminal Procedural law Court process in Indonesia.

Topics: Introduction to procedural law in Indonesia; Introduction to Civil Procedural Law; The Law and Regulations of Civil Court Procedures; Competency; Power of attorney; Application; Law suits; Class action Law suit; Summon; Verstek; Mediation; Civil Court hearing process; Sequestration; Conviction; Field Examination & Expert Explanation; Verdict; Legal remedy; Execution; Lex Specialis Administrative Procedural Law; Object and Scope of Administrative Procedural Law; Trial Process of Administrative Procedural Law; Introduction to Criminal Procedural Law; History Criminal Procedural Law in Indonesia; Criminal Justice System; Pre-investigation & Investigation; Efforts to Forcibly; Legal Rights and position of Suspect and defendant; Pre-prosecution & Prosecution; Indictment; Pre-trial; Connection, Combining Case of Compensation Demands & Rehabilitation; Types of Trial Procedures; Conviction in Criminal Procedural Law; Verdict in Criminal Procedural Law; Legal Remedy in Criminal Procedural Law; Execution in Criminal Procedural Law; Controller and Supervisor Judge; Lex Specialist of Criminal Procedural Law; Newest Development of Criminal Procedural Law.

LAWS6087 - ADAT & AGRARIAN LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Classify the key-concepts of adat and agrarian law; Apply the appropriate concepts or theories in adat and agrarian law; Criticize the weaknesses of Law No. 5 Year 1960. concerning of Agrarian Law.

Topics: Definition of agrarian law and land law; Legal and agrarian policy in the colonial era; National agrarian law; Tenure of Land; Rights to Land; Management rights to land; Land Reform; Land stewardship; Land registration.

LAWS6088 - PRINCIPLES OF BUSINESS LAW (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain theory of Principles of Business Law; Describe treatment of business contract; Analyze business contract and the seattle of business dispute.

Topics: Introduction, Terminology and Definition of Principles of Business Law; Scope of Commercial Law; Types of business entities; Indonesian business entities; Trade contracts; The transfer of rights of objects of trade; Business contracts in Indonesia; The subject of commercial law; Laws on brokers and brokerage; Broker in Indonesia; Law on securities; Basic understanding of securities; Legal relationship between the parties; Insurance business in Indonesia; Financial Institutions; Syariah banking; Settlement of business dispute.

LAWS6089 - ISLAMIC BUSINESS LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to Identify Islamic Business Law; Solve: legal problem; Recommend: legal problem and legal solution

Topics: Introduction to Islamic Business Law; Fundamentals of Islamic Contract /Aqad; Akad Murabahah, As-salam dan Isitisna'; Akad Mudharabah, Musyarakah dan Ijarah; Akad Tabarru' (wadi'ah, rahn,wakalah, kafalah dll); Syariah/Islamic Banking; Syariah Capital Market; Syariah Insurance; Syariah Multi Finance Company; Syariah Pawn Institution; Syariah Cooperation & Baitul Mal Wa Tamwil (BMT); Sharia Pension Fund; Resolution of Islamic Business Disputes.

LAWS6090 - INVESTMENT LAW (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the principal investment regulations applicable in Indonesia; Analyze how the implementation of direct and indirect investment in Indonesia; Examine the settlement of investment disputes in the International and National; Propose the potential showcase business project.

Topics: Investing in Indonesia; Overview Investment Law; Investment Law 1967; Investment Law 1968 & Customer Insight and Market Analysis; Investment Law 2007 [1]; Investment Law 2007 [2] & Business Environment; Negative List Investment; Indonesia Investing Coordinating Board [BKPM]; Procedur; Investment in Indonesia; Special Economic Zones [SEZs]; Joint Venture Agreement [JVA]; Settlement of Investment Disputes & Product/ Service Development; ICSID: International Investment Dispute Settlement; Introduction to Capital Market Law; Legal Bases of Capital Market in Indonesia & Prototyping Product; The Structure of Capital Market Institution; Instruments of Capital Market; Go Public (Bapepam-LK); Listing in Indonesia Stock Exchange [BEI]; Issuer's Financial Statement; Realization Report of IPO Result; Transparencies in Capital Market; Merger; Crime and Fraud in the Capital Markets & Evaluate Product/ Services Prototype; Market Manipulation; Dispute Resolution in Capital Market.

LAWS6091 - BANKING & FINANCIAL LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify Banking and Financial Law; Utilize related regulations, doctrines and cases to solve legal problem; Examine legal problem and recommend legal solution.

Topics: Introduction to banking and financial system in Indonesia; Definition and principles of banking law in Indonesia; Bank establishment; Sources of banking fund; Banking products and services; Banking credit activity; Relationship and legal protection between bank and customer as well as the principle of due diligence; Banking secrecy; Criminal acts in the banking sector; Capital market; Financial institution; Insurance; Pawnshop institution.

LAWS6092 - BUSINESS COMPETITION LAW (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Classify the key-concepts of business competition law; Apply the appropriate concepts or theories in business competition law in addressing certain legal issues; Criticize the weaknesses of Law No. 5 Year 1999 concerning Prohibition of Monopolistic Practices and Unfair Business Competition.

Topics: The Backgrounds of Law on Business Competition; Legal Concepts on Business Competition Law; Prohibited Agreements (1); Prohibited Agreements (2); Prohibited Agreements (3); Cases on Prohibited Agreement; Prohibited Activities (1); Prohibited Activities (2); Cases on Prohibited Activities; Dominant Position; Cases on Dominant Position; Exclusion Clause of Law on Business Competition; Procedural Law of the KPPU.

LAWS6093 - ALTERNATIVE BUSINESS DISPUTE RESOLUTION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: On successful completion of this course, students will be able to: Recognize the function of alternative dispute resolution forums to settling business disputes; Categorize type of legal dispute and criteria to conduct a good negotiation, conciliation, mediation and arbitration as part of alternative dispute resolution forums; Apply Applying negotiation, conciliation, mediation and arbitration as part of alternative dispute resolution to settling business dispute; Analyze several legal issues during the settlement dispute process; Produce simple documents to support alternative dispute resolution process.

Topics: Introduction to alternative dispute resolution; Alternative dispute resolution forums; Dispute Settlement inside Court; Type of Alternative Dispute Resolution; Application of Alternative dispute resolution in Indonesia; Strategy & Analyze conflicts; Negotiation; Conciliation; Mediation; Arbitration.

LAWS6094 – CYBER LAW (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Cyber law in Indonesia; Use Related legislation to solve legal problems; Justify legal problem and recommend legal solution

Topics: Introduction to Cyber I; Introduction to Cyber II; Cyber Regulation in Indonesia I; Cyber Regulation in Indonesia II; Cyber Law Component I; Cyber Law Component II; Telecommunication Law I; Telecommunication Law II; Media Law I; Media Law II; Information I; Information II; Privacy and Media I; Privacy and Media II; IPR in Cyber I; IPR in Cyber II; Cyber Market I; Cyber Market II; Cyber Crime I; Cyber Crime II; Freedom of Expresion I; Freedom of Expresion II; Defamation I; Defamation II; Case; Discussion.

LAWS6096 - E-COMMERCE & DATA PRIVACY LAW (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify e-commerce and data Privacy Law; Use related legislation to solve legal problem; Examine legal problem and recommend legal solution.

Topics: Eletronic Transaction Overview; The Rule of Cyberspace; Internet Jurisdiction; Electronic Contract I; Electronic Contract II and Copyright Issue; Creating Customer Profiles; Other IPR Issue and UDRP; Who are Our Next 10 Customers?; Electronic Mail and Online Presence and Information and Privacy Law; High Specifications in the Business; Privacy and the Media; Digital Dossier; Information Privacy Problems I; Information Privacy Problems II; Architecture of Protection Privacy; Privacy and Goverment Record; Enterprise Privacy Policy; Privacy and Outsorced Data; Communication Data Retention; Defamation in Cyberspace; Group Discussions I and Group Discussion II; Quantifying the Value Propositions in the Business; Group Discussion III and Group Discussion IV; Where is Your Positions? (Chart Competitive Position); Group Discussion V and Group Discussion VI; Designing Business Model of the Business.

LAWS6098 - LEGAL PHILOSOPHY & LEGAL ETHICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify theory and basic concepts of legal philosophy and ethic; Explain the law of school of scientific discipline in legal philosophy, eastern, western and also Indonesia legal philosophy; Classify the problems in legal philosophy and describe how to implement the ethics in legal profession.

Topics: Introduction to Philosophy of Law; History of Philosophy; Historical Period in Legal Philosophy; Legal Philosophy and Jurisprudence; School of Thought in Philosophy (I); School of Thought in Philosophy (II); School of Thought in Philosophy (III); Problem in Legal Philosophy (I); Problem in Legal Philosophy (II); Indonesia Legal Philosophy; Pancasila; Ethics; Ethics in Legal Profession.

LAWS6099 - LEGAL REASONING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the problems of legal definition and legal concept; Construct propositions and syllogisms related to legislation and judicial decision; Analyze legal cases to find the substance of judicial law-making and fallacies.

Topics: Introduction of Legal Reasoning (1); Introduction of Legal Reasoning (2); Logics and Language in Law (1); Logics and Language in Law (2); Legal Concepts (1); Legal Concepts (2); Basics and Steps of Legal Reasoning (1); Basics and Steps of Legal Reasoning (2); Using Legal Reasoning in Legal Opinion and Other Legal Documents (1); Using Legal Reasoning in Legal Opinion and other Legal Documents (2); Cases Study in Legal Reasoning (1); Cases Study in Legal Reasoning (2); The Elements of Legislation (1); The Elements of Legislation (2); Legal Reasoning in Legislative Drafting (1); Legal Reasoning in Legislative Drafting (2); Analysis on Legislation (1); Analysis on Legislation (2); The Elements of Judicial Decision (1); The Elements of judicial Decision (2); Legal Reasoning in Judicial Decision (1); Legal Reasoning in Judicial Decision (2); Analysis on Judicial Decision (1); Analysis on Judicial Decision (2); Legal Opinion (1); Legal Opinion (2).

LAWS6100 - CAPITA SELECTA (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the principles of law relevant to present legal issues in current business activities; Analyze the legal principles that are relevant to the development of law and business activities; Create problem solutions for legal cases by using relevant legal instrumens, including appropriate legal principles.

Topics: Development, Law Enforcement and the Rechtsfinding; Cases of Development, Law Enforcement and the Rechtsfinding; Contract law; Cases of Contract Law; Corporate Law; Cases of Corporate Law; Invesment Law; Cases of Invesment Law; Environmental Law; Cases of an Environment Law; Banking Law; Cases of Banking Law; Financial Law; Cases of Financial Law; Intellectual Properti Rights; Cases of Intellectual Properti Rights; Intellectual Properti Rights; Cases of Intellectual Properti Rights; Business Crime; Cases of Business Crime; Cyber Law; Cases of Cyber Law; Cyber Law; Cases of Cyber Law; Consumer Protection; Cases of Consumer Protection.

LAWS6101 - INTERNSHIP I (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to apply appropriate and relevant theories into legal cases emerged in the work place.

LAWS6102 - LEGAL PROBLEM IDENTIFICATION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to report in a seminar where they show that they can identify and rewrite the legal problem come out during the internship program.

LAWS6103 - LEGAL SOURCES ANALYSIS IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to report in a seminar where they show that they can employ and analyze the relevant legal sources as legal instruments in addressing the identified legal problem.

LAWS6105 - INTERNSHIP II (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to develop/reconstruct the application of legal theories that have been enforced during the previous semester into legal cases emerged in the work place.

LAWS6106 - LEGAL PROBLEM SOLVING IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to report in a seminar where they show that they can solve the legal problem by offering alternatives of legal solution completed with appropriate and relevant arguments.

LAWS6107 - LEGAL DECISION MAKING IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to report in a seminar where they show that they can make the best decision as legal solution.

LAWS6108 - TEAM WORK & COMMUNICATION IN INDUSTRY II (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to report in a seminar where they show that they have supportive behaviors to their team-work during the second semester of their internship program.

LAWS6110 – CYBER LAW (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Cyber law in Indonesia; Use Related legislation to solve legal problems; Justify legal problem and recommend legal solution.

Topics: The Fundamental Technology; Internet and Cyber Regulation; Broadcasting Regulation; Telecommunication Regulation; Indonesian Media Law; Introduction to Information and Privacy law; Privacy and Media; IPR in Digital Era; Introduction to Law and Economic; Cyber Crime; Freedom of Information; Defamation; Case and Class Discussion.

LAWS6120 - TEAM WORK & COMMUNICATION IN INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able report in a seminar where they show that they have supportive behaviors to their team-work during the first semester of their internship program.

SUBJECT AREA: MATH

MATH6004 – LINEAR AND DISCRETE MATHEMATICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basics concepts of logic, mathematical induction, recursion, set theory and function; Evaluate the counting and probability problems; Explain representation of graph, tree and matrices; Solve the system of linear equation, determinan, vector, and eigenvalue problems.

Topics: The Logic of Compound Statements; The logic of Quantitative Statements; Sequences, Mathematical Induction, and Recursion; Set Theory; Relation and Function; Counting and Probability; Graph and Trees Matrices; Systems of Linear Equation; Determinant; Vector; Eigenvalues and Eigenvectors; Applications of Linear Algebra.

MATH6005 – ENGINEERING MATHEMATICS I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve linear algebra Problem; Use vector calculus for some application; Analyze complex analysis and its application.

Topics: Linear algebra I; Linear Algebra II (Matrix Eigen Value Problem); Vector Differential Calculus; Vector Integral Calculus; Complex Numbers and function; Complex integration.

MATH6006 – CHEMISTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the usefulness of macroscopic, microscopic and symbolic perspectives in understanding chemical system; Define the terms atom, molecule, isotope, ion, compound, polymer and functional group; Integrate between mass, volume, moles, number of atoms/ molecules and fundamental laws of stoichiometry in chemical reactions; Identify several gaseous compounds that are important in urban air pollution; Calculate the rate of reaction and equilibrium constanta from experimental data; Calculate the amount of metal plated , current neded and the time required for an electrolysis process.

Topics: Introduction to chemistry; Atoms and Molecules; Molecules, moles and chemical equations; Stoichiometry; Gases; Chemical Bonding and molecular structure; Chemical Kinetics; Chemical equilibrium; Electro chemistry; Chemical Safety And security.

MATH6007 – ENGINEERING MATHEMATICS II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve ODE of mathematical modeling; Use Laplace transform to solve ODE and system of ODE; Use special function and Z transform to solve difference equation; Analyze partial differential equation for some applications.

Topics: First-Order ODEs; Higher Order Linear ODEs; Systems of ODEs; Laplace Transforms; Special Function; z-Transform; Fourier Series; Wave Equations; Heat Equations.

MATH6008 – MATHEMATICAL STATISTICS I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the important concept of probability and its application; Apply the concept of discrete and continuous random variables and their probabilities to solve practical problems; Calculate Joint Densities, Order Statistics and Moment Generating Functions of two or more discrete and continuous random variables; Apply interval between events of Poisson probability and Central Limit Theorem from Normal Distribution.

Topics: Probability; Discrete Random Variables and Their Probability Distributions; Continuous Random Variables; Joint Densities; Order Statistics; Moment Generating Functions; Poisson Distribution; Normal Distribution.

MATH6009 – MATHEMATICAL STATISTICS II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the concept of Estimation, Hypothesis Testing and Inferences Based on the Normal Distribution in real life problems; Evaluate Two-Sample Inferences and Goodness-of-Fit Tests; Analyze Regression and Analysis of Variance in real life problems.

Topics: Estimation; Hypothesis Testing; Inferences Based on the Normal Distribution; Two-Sample Inferences; Goodness-of-Fit Tests; Regression; The Analysis of Variance.

MATH6014 – CALCULUS I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic concepts of single variable calculus; Describe multi variable calculus for simple real problems; Interpret formulations geometrically and physically; Use single variable calculus for simple real problems; Describe basic concepts of Infinite Series.

Topics: Preliminaries; Limits; The derivatives; Application of the derivatives in engineering (Joint Class); Application Of The Derivatives; Function of two or more variables; The definite integral; Techniques of Integration; Application Of The Integration In Engineering (Joint Class); Improper integrals; Application of integral; Infinite series; Application Of The Infinite In Engineering (Joint Class).

MATH6015 - APPLIED LINEAR ALGEBRA (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve systems of linear equation by using Gaussian elimination and other methods; Apply the basic of algebra matrix operations and its application; Calculate the determinant and the inverse of a matrix and its application; Describe the row space, column space, null space and inner space of a matrix, and be familiar with the concepts of dimension of a subspace and the rank and nullity of a matrix; Identify a linear transformation and its matrix; Compute the eigenvalues and eigenvectors of a square matrix.

Topics: System of Linear Equation; Matrix; Application of Linear System; Determinant and Inverse of a Matrix; Vector, Lines and Spaces in 2,3-Spaces; General Vector Spaces; Inner Product Spaces; Linear Transformation; Eigenvalues and Eigenvectors.

MATH6016 – CALCULUS II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain elementary signal; Use laplace transform and inverse laplace; Build state variable and state equation; Adopt Fourier series and Fourier transform; Use Discrete-Time Systems and the Z Transform.

Topics: Elementary Signals; Laplace Transform; Laplace Transform Application; Inverse Laplace Transform; State Variable and State Equation; Fourier Series; Fourier Transform; Fourier Application; Discrete-Time Systems and the Z Transform.

MATH6018 – MODERN ALGEBRA (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Recognize several ways to prove mathematical expression in set theory and binary operation; Explain the structure of groups and its properties; Demonstrate how to determine divisibility, gcd of the integers and polynomials; Explain the structure of rings, fields and its properties; Apply the concept of algebraic structure in coding theory and cryptography..

Topics: Fundamental Concept; The Integers; Groups; Isomorphism and Groups Homomorphisms; Group of Permutations; Rings and Fields; Ideals and Quotient Rings; Rings of Polynomials; Introduction to Coding Theory and Cryptography.

MATH6019 – CALCULUS III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain concept of vector function for advanced topics; Use several variable function for optimization problems; Analyze a vector fields by integral.

Topics: Surface in Space; Vector-Valued Functions; Functions of Several Variables; Optimization; Multiple Integral; Vector Fields; Line Integral; Surface Integral.

MATH6021 – REAL ANALYSIS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic properties of real numbers system; Explain open, closed and compact sets and construct metric spaces; Analyze the concepts of limits, continuous functions, derivatives and integrals in theoretical approach; Analyze convergence of sequences of real numbers and sequences of functions; Solve some mathematical problems by choosing suitable theorems.

Topics: The Real Numbers System; Sequences of Real Numbers; Limits; Continuous Functions; Differentiations; The Riemann Integral; Sequences of Functions; Topology and Metric Spaces.

MATH6022 – ENGINEERING MATHEMATICS I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic concepts of ordinary differential equations; Solve first order, second order, and higher order linear ordinary differential equations; Apply first and second order ordinary differential equation to solve mathematical modelling in real problems; Use systems of ODEs as models in engineering applications.

Topics: Introduction; First Order Ordinary Differential Equations; Application of First Order Ordinary Differential Equations; Second Order of Homogeneous Linear Ordinary Differential Equation; Second Order of Nonhomogeneous Linear Ordinary Differential Equations; Higher Order Linear Ordinary Differential Equations; Application of Second Order Linear Differential Equations; Systems Of First Order Linear Equations; Applications of Systems of Linear Differential Equations.

MATH6023 – COMPLEX VARIABLE FUNCTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic properties of complex numbers system; Explain calculus of complex variables, such as functions, limits, continuity and differentiations; Explain elementary, analytic and harmonic functions with their properties; Solve complex integrals by choosing suitable formulas; Analyze convergence of series of complex numbers; Interpret mappings by elementary functions geometrically.

Topics: The Complex Numbers System; Complex Elementary Functions; Complex Limits and Continuity; Complex Differentiations; Complex Integrals; Series of Complex Numbers; Residues and Poles; Applications of Residues; Mapping by Elementary Functions.

MATH6024 – ENGINEERING MATHEMATICS II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply an appropriate method to solve real problem related to partial differential equation; Solve partial differential equation analytically by separation variable; Solve partial differential equation numerically by finite difference method.

Topics: Brief History of Transport Equation; Brief History of Diffusion Equation; Brief History of Wave Equation; Fourier Series; General Separation Variable; Diffusion Equation: Separation Variable; Introduction to PDE; Wave Equation: Separation Variable; Finite Difference Method.

MATH6025 – DISCRETE MATHEMATICS (4 Credits)

Learning Outcomes: On successful of this Course, students will be able to: Evaluate the logic of compound and quantified statements and how do to proof; Explain Set Theory, Counting method and Number Theory; Explain Function, recursion, fuzzy set, Relations and Graph Theory; Explain Trees & Graph theory and its application; Explain Automata and graph its application in computer science.

Topics: The logic of compound statements part 1; The logic of compound statements part 2; The logic of quantified statements; Methods of proof; Counting; Set Theory; Number Theory; Function, recursion, and fuzzy set; Relations; Graph Theory; Trees; Graph Applications; Finite Automata.

MATH6026 – MATHEMATICS PROGRAMMING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the optimization problems and linear programming; Apply the linear programming models, duality and post optimal analysis to the problems; Solve the network model problems; Analyze the fuzzy linear programming, non-linear programming, integer programming, and dynamic programming problems.

Topics: Introduction to the optimization problems; Linear programming; Duality and post optimal analysis; Network models; Introduction to the fuzzy programming; Introduction to the non-linear programming; Integer programming; Dynamic programming.

MATH6030 – LINEAR ALGEBRA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve systems of linear equations using various methods; Compute algebraic matrix operations; Evaluate determinant and inverse of matrix and their applications; Explain vector operations and their geometric interpretations; Formulate line and plane equations; Calculate eigenvalues and eigenvectors of matrix and their applications.

Topics: Systems of Linear Equations; Matrix; Determinant and Inverse of Matrix; Vectors; Line and Plane Equations; Eigenvalues and Eigenvectors.

MATH6031 – CALCULUS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to Apply the basic concepts of limits and derivative for some real problems; Use the basic concepts of integral for some application; Identify the convergence of infinite series; Solve the first order differential equation.

Topics: Limits; The derivatives; Application of derivatives; Function of two or more variables; Integral; Applications of integral; Infinite series; First order differential equation.

MATH6036 – DISCRETE MATHEMATICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the logic of compound and quantified statements, Explain the counting method; Explain set theory; Explain Function, recursion, fuzzy set and relations; Explain Graph, Trees, Finite Automata and its applications.

Topics: The Logic of Compound Statements; The Logic of Quantified Statements; Counting; Set Theory; Function, Recursion, and Fuzzy Set; Relations; Graphs and Trees; Finite Automata.

MATH6038 – CALCULUS I (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe basic concepts of single variable calculus; Describe multi variable calculus for simple real problems; Interpret formulations geometrically and physically; Use single variable calculus for simple real problems; Describe basic concepts of Infinite Series.

Topics: Preliminaries; Limits; The Derivatives; Applications of the derivatives; Function of two or more variables; The definite Integral; Techniques of Integration; Improper integrals; Application of the Integral; Infinite Series.

MATH6039 – CALCULUS II (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Solve ODE of mathematical modeling; Use Laplace transform to solve ordinary differential equation; Analyze vector differential calculus for some applications; Analyze vector integral calculus for some applications.

Topics: First-Order ODEs; Higher Order Linear ODEs; Systems of ODEs; Laplace Transforms; Vector Differential Calculus; Vector Integral Calculus.

MATH6041 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Compile a scientific writing as final requisite of study period by applying some research method such as determining topic; Make research design according to concentration field that consist of data collection, data selection, description and analysis; Combine mathematics or statistics with computer studies in scientific writing.

Topics: Review and application of accepted theory to solve the research problems; Determining the topic relevant to the study program; Determining the right problem solving method; Preparing the implementation and solution of research problem; Designing and writing method of thesis report; Making a final report.

MATH6043 – SEMINAR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define basic concepts of the scientific research and thesis proposal; Select research topics to make the thesis proposal; Write the thesis proposal using guidelines of research proposal methods; Demonstrate the thesis proposal in front of class with good presentation technique.

Topics: Introduction of Thesis; Research Topics; Research Statement; Literature Study; Research Design; Research Methodology; Guidelines to Writing Research Thesis Proposal; Presentation.

MATH6044 – NUMERICAL METHODS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Estimate error and systems of Linear Algebraic Equations by numerical method; Calculate solution of polynomial equation; Compute numerical integration and differentiation; Analyze an initial and boundary value problem by numerical technique; Solve Symmetric Matrix Eigenvalue Problems by numerical technique.

Topics: Introduction to Numerical Method; Systems of Linear Algebraic Equations; Interpolation and Curve Fitting; Root of Equations; Numerical Differentiation; Numerical Integration; Initial Value Problems; Two-Point Boundary Value Problems; Symmetric Matrix Eigenvalue Problems.

MATH6046 – CALCULUS II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain System of linear equation using algebra matrix operation; Solve Matrix eigenvalue problem; Analyze vector differential calculus for some application; Analyze vector integral calculus for some application

Topics: Matrices and Vectors; Linear Systems of Equations; Determinants and inverse matrix; Vector Spaces and Linear Transformations; Matrix eigenvalue problem; Vector Differential Calculus; Vector Integral Calculus.

MATH6048 – BUSINESS MATHEMATICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain learning of mathematics basic concept; Apply mathematics formula concept in particular case; Analyze the problem of macro and micro economics also using of basic mathematics concept using formula in order to analyse business.

Topics: Review of Algebra; Applications and More Algebra; Functions and Graphs; Lines, Parabolas, and Systems; Exponential and Logarithmic Functions; Mathematics of Finance; Matrix Algebra; Differentiation; Curve Sketching; Multivariable Calculus; Integration; Applications of Integration.

MATH6049 – MATHEMATICS OF FINANCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain basic knowledge about Cash flows, Depreciation, Bonds, Interest Rates, Futures, Options and Real Options; Interpret the results of basic calculations of Cash flows, Depreciation, Bonds, Interest Rates, Futures Options and Real Options; Analyze a problem in real financial mathematics case.

Topics: Basic Financial Arithmetic; Cash Flows; Amortization and Depreciation; Bonds Calculations; Bonds Risks; Forward Interest Rates; Futures; Options; Real Options.

MATH6050 - ACTUARIAL MATHEMATICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the time value of money and probability concept used in insurance; Analyze the concept of deterministic model of annuities, life annuities and their relationship with interest, present and future value; Analyze the concept of life insurance, annual premium and net premium.

Topics: Principles of Financial Mathematics; Brief Review of Probability; Life Table and Annuities; Exercises and Quiz 1; Life Annuities; Life Insurance; Exercises and Quiz 2; Net Premium; Exercises and Quiz 3.

MATH6056 – SCIENTIFIC COMPUTING LAB (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic programming: looping, decision statement and functions using Python; Explain data structure and object oriented design using Python; Express good program design and testing using Python; Apply programming skills in solving scientific problems using computer.

Topics: Writing Simple Programs; Computing with Numbers; Objects and Graphics; Sequences: Strings, Lists, and Files; Defining Functions; Decision Structures; Loop Structures and Booleans; Simulation and Design; Defining Classes; Data Collections; Object-Oriented Design; Algorithm Design and Recursion.

MATH6057 – ORDINARY DIFFERENTIAL EQUATIONS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Calculate mathematical modeling using first order, second order, & higher order ODE analytically and using software; Solve system of differential equation and nonlinear ODE analytically and using software; Apply all kind of ODE to some real problems; Analyze the solutions of ODE from differential model of the real problems.

Topics: First order differential equation; Second and higher order differential equation; System of differential equation; Nonlinear Differential Equation

MATH6058 – NUMERICAL METHODS I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve the systems of linear algebraic equations, curve fitting and root equations by numerical method; Calculate the definite integrals and derivatives by numerical methods; Analyze an initial and boundary value problem and symmetric matrix eigenvalue problem; Explain solution of numerical methods using computer programming.

Topics: Introduction to Numerical Methods; Systems of Linear Algebraic Equations; Interpolation and Curve Fitting; Root of Equations; Numerical Differentiation; Numerical Integration; Initial Value Problems; Two-Point Boundary Value Problems; Explain to solution of numerical methods using computer programming.

MATH6059 – GEOMETRIC ALGEBRA (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of plane and space geometry; Explain relation between geometric objects; Explain the concept of geometric algebra; Describe geometrical objects using linear algebra approach; Interpret algebraic equations as geometric objects.

Topics: Preliminaries; Vectorization of straight lines; Vectors and Coordinates in R²; Linear and Affine Transformation in R²; Conics; Vectors and Coordinates in R³; Lines and Planes in Space; Linear and Affine Transformation in R³; Quadrics; Geometric Algebras and Computer Graphics.

MATH6061 - COMPUTATIONAL NUMBER THEORY (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic concepts of number theory; Apply concepts of number theory in cryptography; Demonstrate computation of number theory using SAGE software; Solve number theory problems using SAGE software.

Topics: Prime Numbers; The Ring of Integers Modulo n ; Public-Key Cryptography; Quadratic Reciprocity; Continued Fractions; Elliptic Curves.

MATH6063 – CODING THEORY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Error-Correction Code and its implementation; Explain the concept of Linear Codes and its implementation; Explain the concept of Cyclic Codes and its implementation; Explain the concept of convolutional codes and its implementation; Construct some special linear and cyclic codes and its applications.

Topics: Introduction to Error-Correcting Coding; Modern Algebra Review; Linear Codes; Some Special Linear Codes; Cyclic Codes; Some Special Cyclic Codes; Convolutional Codes.

MATH6064 – APPLIED PROJECTIVE GEOMETRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basics of the projective geometry; Demonstrate the algorithms of projective geometry; Apply projective geometry in computer vision.

Topics: Introduction to Projective Geometry; Projective Geometry and Transformations of 2D; Projective Geometry and Transformations of 3D; Estimation – 2D Projective Transformation; Camera Models; Computation of the Camera Matrix P ; More Single View Geometry.

MATH6066 – COMPUTATIONAL GEOMETRY (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the properties of geometric objects in geometric problems; Describe efficient algorithms for convex hull, triangulation, voronoi diagram and point location; Devise algorithms and data structure for geometric problems using OpenGL and CGAL; Describe convenient data structure for convex hull, triangulation, voronoi diagram and point location.

Topics: Introduction to Computational Geometry; Convex Hulls; Line Segment Intersection; Polygon Triangulation; Delaunay Triangulations; Voronoi Diagrams; Point Location; Robot Motion Planning.

MATH6067 – CRYPTOGRAPHY (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the computer security concepts and Cryptography; Apply the Encryption techniques to the solve problems; Solve the block ciphers and data Encryption problems and application; Analyze the RSA Cryptography at application to computer security system.

Topics: Computer Security Concept; Classical Encryption Techniques; Block Cipher & Data Encryption; Modes of Operation; Basic Concept in Finite Fields; Advanced Encryption Standard (AES); RSA Cryptography.

MATH6068 – PARTIAL DIFFERENTIAL EQUATIONS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Employ Explore Basic knowledge of PDE; Solve PDE using analytical method; Construct finite difference scheme for some PDE.

Topics: Where PDE's come from; Diffusion Equation; Wave Equation; Harmonic Equation; Finite Difference.

MATH6072 – NUMERICAL ANALYSIS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Calculate solution of system of linear equations using numerical methods; Calculate roots of an equation using numerical methods; Estimate value of a function using interpolation methods; Compute numerical differentiation and integration; Compute numerical solution of a differential equation; Apply numerical methods in real engineering problems.

Topics: Error analysis; Roots of equations; Linear Algebra equation; Interpolations and Curve Fitting; Numerical Differentiation; Numerical integration; Numerical differential equations.

MATH6073 – INTERNSHIP (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: obtain working experience in the real field work to apply the theory given in the class, so they will be more ready to apply the theory for job. They will be able to acquire highly marketable knowledge, specific skills and construct mathematics model both manually and using computer and implement the mathematics models to solve the real problems.

Topics: Field of Information Technology and Mathematics workplace.

MATH6074 - MATHEMATICAL MODELING SOLUTION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Determine and interpret solutions of mathematics models.

Topics: Mathematical Modelling in Industry, Modelling Techniques, Methods for Finding Solutions, Interpretation of Solutions, Some Practical Applications.

MATH6075 - APPLIED PROGRAMMING IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design program to solve problems in industries using mathematical methods approach.

Topics: Review of Mathematics Programming, Mathematics Computations, Mathematical Models Programming, Some Mathematical Softwares, Some Practical Applications.

MATH6081 - MATHEMATICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain counting method; Interpret Function and relations; Operate Matrices and applications; Interpret System of Linier Equations and applications.

Topics: Counting; Function and Relations; Matrices; System of Linier Equations.

MATH6083 – MATHEMATICS EDUCATION FOR PRIMARY I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize Mathematics National Curriculum; Apply the basic concepts of mathematics that deals with numbers; Solve the mathematics problem solving in daily life.

Topics: Course Overview & Introduction to Mathematics for Primary Students; Mathematics National Curriculum for Primary Level; Problem Solving; Whole Numbers : Addition; Whole Numbers: Multiplication; Whole Numbers : Subtraction; Whole Numbers : Division; Whole Number Computation; Mathematics Problem Solving in Daily Life : Whole Numbers; Whole Number Computation Games; Integers : Addition and Subtraction; Integers : Multiplication and Division; Fractions : Addition and Subtraction; Fractions : Multiplication and Division; Decimals : Addition and Subtraction; Decimals : Multiplication and Division; Mathematics Problem Solving in Daily Life : Integers; Mathematics Problem Solving in Daily Life : Fractions, Decimal and Percent; Percent; Ratio and Proportion; Rational Numbers; Number Theory : Primes, Composites and Tests for Divisibility; Mathematics Problem Solving in Daily Life : Ratio and Proportion; Mathematics Problem Solving in Daily Life : Greatest Common Factor, Least Common Multiple; Number Theory : Counting Factors; Number Theory : Greatest Common Factor and Least Common Multiple.

MATH6084 - MATHEMATICS EDUCATION FOR PRIMARY II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize Mathematics National Curriculum; Explain basic concepts of mathematics that deals with measurement, geometry and statistics; Solve mathematics problem solving in daily life.

Topics: Square number and root of square number; Cubical number and root of cubical number; Quantities and measurement 1 – unit of length; Quantities and measurement 2 – unit of time; Quantities and measurement 1 – unit of weight; Quantities and measurement in daily live; The value of currency; Ratio and scale; Mathematics Problem Solving in Dayly Life : square number, root of square number, cubical number, root of cubical number, quantitties and measurement;

Mathematics Problem Solving in Dayly Life : quantitis and measurement in daily live, value of currency, ratio and scale; Ratio and work problem; Velocity; Ratio and Velocity; Cartecius diagram; Angle; Angle between two clockwork; Mathematics Problem Solving in Dayly Life : ratio, work, velocity; Mathematics Problem Solving in Dayly Life : two dimensional geometry, perimeter and area of two-dimensional geometry; Two-dimensional geometry; Perimeter and area of two-dimensional geometry; Pythagoras Theorem; Three-dimensional geometry; Mathematics Problem Solving in Dayly Life : Pythagoras Theorem; Mathematics Problem Solving in Dayly Life : Three-dimensional geometry, perimeter and area surface of three-dimensional geometry; Perimeter and area surface of three-dimensional geometry; Statistics.

MATH6092 – NUMERICAL METHODS II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze alternative methods for any particular problem dealing with optimization; Solve ordinary differential equations, Finite Difference (parabolic, elliptics equations) and eigenvalue problems and choose the “best” method (or methods) for any particular problem; Solve boundary value problems and Finite element methods for any particular problem.

Topics: One Dimensional Unconstrained Optimization; Multidimensional Unconstrained Optimization; Least Square Regression; Runge Kutta Methods; Stiffnes and Multistep Methods; Boundary Value and Eigenvalue Problems; Finite Difference : Elleptic Equations; Finite Difference : Parabolic Equations; Finite Element Method.

MATH6093 – CALCULUS (4 Credits)

Learning Outcomes: On successful of this Course, students will be able to: Describe basic concepts of single variable calculus; Describe multi variable calculus for simple real problems; Interpret formulations geometrically and physically; Use single variable calculus for simple real problems; Describe basic concepts of Infinite Series.

Topics: Preliminaries; Limits; The derivatives; Application of the derivatives in engineering (Joint Class); Application Of The Derivatives; Function of two or more variables; The definite integral; Techniques of Integration; Application Of The Integration In Engineering (Joint Class); Improper integrals; Application of integral; Infinite series; Application Of The Invinite In Engineering (Joint Class).

MATH6095 – APPLIED MATHEMATICS MODELING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Use fundamental concepts of decision analysis and game theory; Apply the formula of deterministic , probabilistic inventory model and queing system for economic and business problems; Analyze the simulation model and Markov Chains rule for operation research problems; Demonstrate of group project from operations research topic; Propose business plan and the showcased potential business project.

Topics: Decision Analysis; Creating Customer Profiles; Game Theory; Who are Our Next 10 Customers?; Deterministic Inventory Models; High Specifications in the Business; Probabilistic Inventory Models; Quantifying the Value Propositions in the Business; Queuing System; Simulation Modeling; Where is Your Positions? (Chart Competitive Position); Markov Chains; Designing Business Model of the Business and Presentation.

MATH6114 – EES IN MATHEMATICS INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real computer science & mathematics field work to enhance the soft skills.

Topics: Team work; problem solving & Decision Making; Team work; interpersonal skill.

SUBJECT AREA: MDIA

MDIA6018 - AUDIO VISUAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Reorganize Audio visual equipment and its use; Apply basic techniques in Audio visual production; Produce a good movie with the right cinematography techniques.

Topics: Introduction; Tools & Equipment; Building Concept; Video Techniques; Production.

MDIA6019 - ADVERTISING MEDIA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define different types of messages in advertising; Describe media planning objectives and process; Experiment with different media characteristics by considering ethics in advertising.

Topics: Message appeals in advertising; Introduction to media planning & process; Media objectives & strategy; Media characteristics; Advertising, product and consumer; Provisions manners of advertising; Procedures for advertising terms; Internet and interactive media.

MDIA6020 – DIGITAL COMPOSITING I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify process of footages in video production; Explain 2D motion artwork with compositing technique; Apply 2D motion artwork combine with keying method in compositing technique; Create 3D motion artwork with all method in compositing technique.

Topics: Digital Compositing Application in post production process; Layer base and node base in composition workflow; Multi layer composition based on cinematography aspects; Rigging hierarchy, layer based 2D Character with parent & child in composition; Approaches Keyframe for animation and Curve; 3D layer, camera, light in compositing; 3D Motion Graphic & Particles in After Effects; 3D Layers Projection Camera in After Effects; Kinetik Typography in compositing; Creative Visual Effect; Experimental media and live action; Compositing skills in the industry, TVC case study; Colour Correction for better quality improvement.

MDIA6022 - DIGITAL COMPOSITING II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the shot for visual effects certain concept; Define camera work and greenscreen setup for visual effects production; Analyze integration between 3D software and compositing software for certain VFX concept; Analyze 3D motion artwork or animation combine with visual effects shot.

Topics: Visual Effects in Industry and Breakdown; Greenscreen Setup for VFX Production; Camera Tracking and Match Movement; Object Tracking in 3D Space; Particles & Emitter; 3D Matte Painting & Set Extension; MultiPass Rendering & 3D Layering; Dynamic Simulations; Cloth Simulation; Fluid FX; Demolition & Pyro FX; Liquid FX; Performing Color Correction & Grading.

MDIA7012 – NEW MEDIA I (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Score many famous website & interactive multimedia related with design aspect; Use multimedia elements in a website & multimedia; Describe web and multimedia principles and development in the future; Analyze structure of website & interactive multimedia; Choose suitable application to deal website & multimedia elements; Create simple interactive multimedia & website.

Topics: Understanding the Adobe Flash CS6 & Exploring Web Technologies; Drawing in Flash; Creating & Editing Symbol; Using Text; Adding Animation; Integrating Media Flash with Flash; Working with Sound and Video; Understanding Actions & Event Handlers; Creating Interactive Navigation; Loading and Controlling Flash Content; Distributing Flash Movies; Publishing Flash Documents; Using Flash to create iPhone applications.

MDIA7013 – NEW MEDIA II (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Reproduce professional website; Recognize suitable application to deal website elements; Use web and multimedia principles and development in the future; Experiment many famous website; Score many famous website related with design aspect; Compose multimedia elements in a website.

Topics An introduction to HTML; Adding Text & Images; Styling Your Pages with CSS; Creating Page Layout with CSS; Advanced Page Layout; CSS3 Transitions & Styles; Using Web Fonts; Building HTML5 Web Forms; Responsive Design & Layout for Mobile Devices; Working with Master Page (Muse); Adding Images to your Site (Muse); Working with Links & Button (Muse); Applying Effects, Graphic Styles & Inserting HTML (Muse); Working with Widget (Muse); Publishing & Exporting Your Site (Muse).

MDIA7017 - NEW MEDIA (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Score famous interactive multimedia & website related with design aspect; Use multimedia elements in an interactive multimedia & website; Describe interactive multimedia & website principles and development in the future; Analyze structure of interactive multimedia & website; Choose suitable application to deal interactive multimedia & website elements; Create simple interactive multimedia & website.

Topics: Understanding the Adobe Flash CS6 & Exploring Web Technologies; Drawing in Flash; Creating & Editing Symbol; Using Text; Adding Animation; Integrating Media with Flash; Working with Sound and Video; Understanding Actions & Event Handlers; Creating Interactive Navigation; Loading and Controlling Flash Content; Distributing Flash Movies; Publishing Flash Documents; Using Flash to Create Applications.

SUBJECT AREA: MGMT**MGMT6008 – HUMAN RESOURCE MANAGEMENT (2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concept of Human Resource Management & its Challenges; Explain Human Resource functions & its concepts; Apply Human Resource functions that fit to organize's needs.

Topics: Introduction to HRM; HRM Strategy and analysis; Job Analysis & Talent Management Process; Personnel planning and recruiting; Employee testing & Selection; Training & Development Employees; Performance Management and Appraisal; Establishing Strategic Pay Plans (Part I); Safety, Health and risk management; Establishing Strategic Pay Plans (Part II); Building positive employee relations; Managing HRM in Small and Entrepreneurial Firms; Managing Global HRM.

MGMT6009 – PROJECT MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of project management; Apply mathematic concept properly in solving a business problem; Analyze the results of the calculation of project management to solve the problems of economics and business.

Topics: Project in Contemporary Organization; Strategic Management and Project Selection; The Project Manager; Managing Conflict and the Art of Negotiation; The Project in the Organizational Structure; Project Activity and Risk Planning; Budgeting: Estimating Costs and Risks; Scheduling; Resource Allocation; Monitoring and Information Systems; Project Control; Project Termination.

MGMT6011 – INTRODUCTION TO MANAGEMENT AND BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the principles of management, the decisions making process, doing and managing diversity in a global environment, ethical behavior, managing change and innovation; Explain setting goals and plans, competitive strategies and traditional and contemporary organizational designs, effective interpersonal & organizational communication, contemporary view of leadership, the control process, creating a wealthy economy and functions of business; Analyze management functions, understanding the economic system, basic forms of business ownership, the entrepreneurial challenge, production processes, the value of motivation, the marketing mix, and financial planning; Apply management and business functions in workplace.

Topics: Managers in the Workplace; Making Decisions; Managing in a Global Environment; Managing Diversity; Managing Social Responsibility and Ethics; Managing Change and Innovation; Planning Work Activities; Managing Strategy; Designing Organizational Structure- Basic and Adaptive Designs; Creating and Managing Team; Managing Communication; Motivating Employees; Being an Effective Leader; Monitoring and Controlling; Taking Risks and Making Profits within the Dynamic Business Environment; Understanding Economics and How It Affects Business; How to Form a Business; Entrepreneurship and Starting a Small Business; Production and Operations Management; Human Resources Management; Marketing : Helping Buyers Buy; Developing and Pricing Goods and Services; Distributing Products and Using Effective Promotions; Financial Management; Using Securities Markets for Financing and Investing Opportunities; Using Technology to Manage Information.

MGMT6012 – HUMAN RESOURCES MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concept of human resource management; Identify the human resource function; Describe human resource functions that match to organizations' need.

Topics: Introduction to HRM; The Challenges of HRM; HRM Strategy and analysis; Equal Employment Opportunity & Workforce Diversity; Job Analysis & Talent Management Process; Job Design; Personnel planning and recruiting (Part I); Personnel planning and recruiting (Part II); Employee testing & Selection; Interviewing Candidates; Training & Development Employees (Part I); Training & Development Employees (Part II); Building positive employee relations; Labor relations and collective bargaining; Performance Management and Appraisal (Part I); Performance Management and Appraisal (Part II); Establishing Strategic Pay Plans (Part I); Establishing Strategic Pay Plans (Part II); Managing Careers and retentions; Safety, Health and risk management; Pay for performance and financial incentives; Benefits and services; Business Ethics & Corporate Social Responsibility; HR Separation; Managing HRM in Small and Entrepreneurial Firms; Managing Global HRM.

MGMT6018 – OPERATIONAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify principles of Operations Management; Describe how products and services are designed by Operations Management; Apply concepts, tools, and techniques of effective operation management to products and services in an organization.

Topics: Operations & Productivity; Operations Strategy in a Global Environment; Design Good and Services; Managing Quality and Statistical Process Control; Process Strategy; Capacity Planning and Constraint Management; Location Strategies; Layout Strategies; Supply Chain Management; Inventory Management; Aggregate Planning and S&OP; Material Requirements Planning (MRP) and ERP; Short-Term Scheduling; Lean Operations; Maintenance and Reliability.

MGMT6021 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Finish the problems in the field of e-business and information system by using appropriate method that can be justified scientifically, and then present the result in the form of scientific writing.

Topics: Field of e-business and information system.

MGMT6029 – KNOWLEDGE MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain basic concept of knowledge management, cycle, models, and knowledge capture & codification; Discuss principles of knowledge sharing, application, management tools, strategy and the value of knowledge management; Hypothesize Strategy and the implementation of Knowledge Management.

Topics: Introduction to Knowledge Management; The Nature of Knowledge; Knowledge Management Foundations: Infrastructure, Mechanisms, and Technologies; Knowledge Management Solutions: Processes and Systems; Organizational Impacts of Knowledge Management; Knowledge Application System: Systems that Utilize Knowledge; Knowledge Capture Systems: Systems that Preserve and Formalize Knowledge; Knowledge Sharing Systems: Systems that Organize and Distribute Knowledge; Knowledge Discovery Systems: Systems that Create Knowledge; Emergent Knowledge Management Practices; Factors Influencing Knowledge Management; Leadership and Assessment of Knowledge Management; The Future of Knowledge Management.

MGMT6038 - CROSS CULTURAL MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss the concept of culture and management; Explain the relationship of culture, organizations and management; Apply the culture in business and communication; Analyze the culture in business and communication.

Topics: Determinant & dimensions of culture; Business culture in Western World; Business culture in Asia, Africa, and Middle East; Culture dimensions and dilemmas; Culture and styles of management; Culture, leadership, and corporate strategy; Culture change and diversity in organizations; Culture and international marketing management; Business communication across culture; Barriers to intercultural communication; Negotiating internationally & Working in international teams; Conflict and culture differences; Developing intercultural communicative competence.

MGMT6063 - STRATEGIC MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the model of strategic management and the nature of strategy formulation, implementation and evaluation activity; Describe role and benefit of vision and mission in strategic management, the components of mission statement, key sources of external –internal information and 16 types of business strategies; Apply the importance of gathering competitive intelligence and the resource-based view, Porter's five generic in strategic management, how to develop an EFE-IFE Matrix; Analyze culture and global issues, TOWS Matrix, SPACE Matrix, BCG Matrix, IE Matrix and QSPM in strategic analysis and choice; Arrange annual objectives and policies in achieving organizational commitment in management, operations, marketing, finance, research and MIS; Appraise formulation and implementation activity in case study analysis and presentation.

Topics: The Nature of Strategic Management; The Business Vision and Mission; The External Assessment; The Internal Assessment; Strategies in Action; Strategy Analysis and Choice; Strategy Analysis and Choice-2; Implementing Strategies : Management and Operations Issues; Implementing Strategies : Marketing, Finance/Accounting, R&D, and MIS Issues; Strategy Review, Evaluation, and Control; Global/International Issues; Strategic Management Case Analysis and Presentation; Strategic Management Case Analysis and Presentation-2.

MGMT6156 - INTRODUCTION TO LEADERSHIP AND MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the difference between leadership and management; Explain different company performance metrics; Analyze different theories of leadership.

Topics: Introduction to Leadership and Management; Business Models; Competitive Strategy; Basic Financial Numbers; Measuring Company Performance; Innovation; Innovation Preparation; Delivering Results; Become a Great Presenter; Managing People; What makes a great leader?; Leadership Presentations; Ethical Leadership.

MGMT6165 - HUMAN RESOURCE MANAGEMENT FOR TOURISM AND SERVICE SECTOR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the importance of tourism and Hospitality as an employment sector; Explain recruitment and selection procedures; Apply the range of models/theories concerned with human resource management (HRM) and how these might be applied to the Tourism and hospitality sector; Analyze critical issues in tourism human resources.

Topic: Human Resources Management for the hospitality and tourism industry: An introduction; International Human Resources Management; Organizational culture; Labour market; Recruitment and selection; Equal opportunities and managing diversity; Training and development; Performance management and performance appraisal; Field Trip / Reward strategies in the tourism and hospitality industry; Employee relations, involvement and participation; Welfare, health and safety; Grievance and disciplinary procedures; Concluding comments.

MGMT6238 - SERVICE MANAGEMENT FUNDAMENTAL (4 Credits)

Learning Outcome: On successful completion of this course, students will be able to: Define the basic knowledge of service management; Analyze the theories of service management; Explain service management in any industry; Applied service management in the organization.

Topics: The service and relationship imperative; The nature of service and service consumption, and its customer management implications; The service profit logic and service management principles; Service and relationship quality; Quality management in service; Return on service and relationship; Managing the augmented service offering; Managing productivity in service organizations; Managing marketing or customer-focused management; Customer focused organization; People management; Managing service culture; Transforming a manufacturing firm into a service business.

MGMT6312 - STRATEGIC MANAGEMENT FOR TOURISM (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able: To identify the context and characteristics of tourism organizations; To describe different elements of the tourism organization's environment and their influence on strategy formulation and implementation; To identify and evaluate different methods of collaboration for tourism firms in order to develop new products and to penetrate new markets; To apply best practices of strategy formulation and implementation, respectively.

Topics: Introduction to Strategic Management; Strategic Management in Tourism; Functional Management in Tourism; Strategic Planning in Tourism; Types of Tourism Organizations; Characteristics of Tourism Organizations; Strategy Formation—Strategy Formulation and Implementation.

MGMT7013 – STRATEGIC MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply the basic model; the benefits of good strategic management; role and the process of developing vision and mission statements ; ethics and social responsibility; the global challenge and communication differences across countries; Design vision-mission statement, key success factors for external-internal scanning, the industrial organization and RBV view, Porter's Five generic strategies, 16 types of business strategies and three-stage framework for choosing among alternative strategies; Analyze strategic management as IFE and EFE Matrix, CPM, TOWS, SPACE, IE, Grand Strategy, BCG Matrix and QSPM; Construct of the business strategy , annual objectives , policies, implementation-execution and monitoring of strategy.

Topics: Strategic Management Essentials; Types of Strategies; Ethics/Social Responsibility/Sustainability; Outside-USA Strategic Planning; Vision and Mission Analysis; The External Audit; The Internal Audit; Strategy Generation and Selection; Strategy Implementation; Strategy Execution; Strategy Monitoring; Case in Strategic Management.

SUBJECT AREA: MKTG**MKTG6063 - MARKET RESEARCH METHODOLOGIES (2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Choose research design methodology; Create research instrument tools; Interpret research data result.

Topics: Marketing Research Introduction; Exploratory Research Design; Descriptive and Casual Research Design; Measurement and Scaling; Questionnaire and Form Design; Sampling; Data Collection; Data Analysis; Report Preparation and Presentation.

MKTG6064 - MARKETING AND CONSUMER BEHAVIOR (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain about marketing concept; Describe marketing communication and tools; Describe the importance of consumer behavior for the communication strategy; Integrate the connection of the consumer behavior with the brand and communication strategy; Design the result of analysis to the communication strategy for advertising.

Topics: Introduction to marketing on day-to-day basis and marketing mix; Marketing situational analysis and marketing environment; Marketing communications, promotional tool and promotional mix; Market research, ethnographic and target insight; Consumer behavior in brand advertising and design considerations; Consumer's different roles in consumer behavior perspective; Consumer influences and decision making in buying decision; Consumers subcultures; Segmentation and positioning; International marketing and consumers respond to brand diffusion and innovation; 21st century marketing of digital interactive in internet era.

MKTG6112 - LANGUAGE INNOVATIONS IN MARKETING AND ADVERTISING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the principles of good marketing and advertising, how messages stick and influence people; Compose copywrite for radio, tv, print, or social media; Explain factors contributing to social content marketing.

Topics: Principles of Influence and Stickiness; AIDA; Pragmatics; Stylistic Differences; Creativity Templates; Metaphors; Catchword; Writing a Radio Ad; Presentation Skills; Copywriting and Social Media; Grammar; Content Marketing; Final Presentations.

MKTG6128 - MARKET RESEARCH (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Describe the fundamental principles of marketing research; Demonstrate the marketing research process; Analyze the marketing research result in order to help in marketing decision making.

Topics: The Role of Marketing Research; Problem Definition and The Research Process; Secondary Data and Big Data Analysis; Qualitative Research; Traditional and Online Survey Research; Observation; Experimentation and Test Markets; The Concept of Measurement; Questionnaire Design; Basic Sampling Issues; Data Processing and Fundamental Data Analysis; Statistical Testing of Differences and Relationships; Multivariate Data Analysis.

MKTG6246 - TOURISM MARKETING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define a deep understanding about marketing, especially in hospitality and tourism industries; Describe the marketing mix in hospitality and tourism industries.; Apply the understanding about promotion mix in hospitality and tourism industries; Analyze hospitality and tourism marketing strategies.

Topics: Introduction: Marketing for Hospitality and Tourism; The Role of Marketing in Strategic Planning; The Marketing Environment and Market Segmentation; Consumer Markets, Consumer Buying Behavior and Organizational Buyer Behavior of Group Market; Designing and Managing Products; Pricing Products: Pricing Considerations, Approaches, and Strategy; Internal Marketing and Distribution Channels; Promoting Products: Communication and Promotion Policy; Advertising, Public Relations, Sales Promotions, and Professional Sales; Direct and Online Marketing: Building Customer Relationships; Destination Marketing and Next Year's Marketing Plan.

MKTG8005 – MARKETING MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Evaluate the concept of marketing; Describe the consumer and business buyer behavior; Describe the customer-driven strategy and marketing mix; Explain extended marketing issues.

Topics: Marketing: Creating and Capturing Customer Value; Company and Marketing Strategy; Analyzing the Marketing Environment; Managing Marketing Information to Gain Customer Insights; Consumer and Business Buyer Behavior; Customer-Driven Marketing Strategy; Product, Services, and Brands: Building Customer Value; Pricing: Understanding and Capturing Customer Value; Marketing Channels: Delivering Customer Value; Engaging Customers and Communicating Customer Value: IMC Strategy; Creating Competitive Advantage; The Global Marketplace; Social Responsibility and Ethics.

SUBJECT AREA: MOBI

MOBI6002 – MOBILE OBJECT ORIENTED PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the Object Oriented Concept; Describe Fundamental Knowledge of Java and Mobile Technology and Development; Create Simple Java Application using Core Java API; Build an application based on Java SE.

Topics: Introduction to Java Programming, Data Type, Input and Output; Wrapper Class, Arithmetic Operation, Logic and Relational Operation; Selection, Repetition, and Exception Handling; Array, Methods, and Jump Operation; Object Oriented Concept, Class, Object, and Package; Inheritance; Polymorphism; Interface and Abstract Class; Java to Mobile Enterprise & Building and Running MiDlet; User Interface (1); User Interface (2); Persistence Storage; Multimedia.

MOBI6006 – MOBILE COMMUNITY SOLUTION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the Java programming language concept on Android; Describe the main features of Android Programming and Android Software Development; Produce simple Mobile Application using the main features of Android; Construct Mobile Application based on Android platform.

Topics: Introduction; Activity lifecycle; Multiple activities; The user interface; List view and adapter; Menu, themes and setting; Data Persistence; Services; Location based service; Web services; Fragment; Action bar; Publishing app.

MOBI6009 – MOBILE MULTIMEDIA SOLUTION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the iOS Platform Concept and Swift Language; Describe User Interface Components and Main Features of iOS Platform; Demonstrate Simple iOS Programs using the Main Features of iOS Platform; Construct Mobile Application based on iOS Platform.

Topics: Introduction to iOS Application Development; Swift Programming Language; User Interaction; Adaptive Layout; Multiview Application; Table View Application; Application Settings and User Defaults; Data Persistence; Saving Files; Web Services; Taps, Touches, and Gestures; Maps and Locations; Group Presentation.

MOBI6012 – WEB DESIGN (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the HTML 5 Concept; Demonstrate simple HTML 5 program using the main features of HTML 5 ; Describe user interface component and the main features of HTML 5 ; Construct mobile web application based on HTML 5.

Topics: Introduction to HTML 5 ; HTML 5 For Mobile; A new way to Structure Pages; Meaningful Markup; Web form, Refine; JavaScript; JavaScript in Mobile; Audio and Video; Basic drawing with the canvas; Deeper in Canvas; HTML 5 Web SQL Database (1); HTML 5 Web SQL Database (2); Review and Group Presentation.

MOBI6021 – MOBILE PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the Java Programming Language concept on Android; Describe the main features of Android Programming and Android Software Development; Produce simple Mobile Application using the main features of Android; Construct Mobile Application based on Android platform.

Topics: Introduction; Activity Lifecycle; Multiple Activities; The User Interface; List View and Adapter; Menu, Themes, and Setting; Data Persistence; Services; Location Based Service; Web Services; Fragment; Action Bar; Publishing App.

MOBI6023 - MOBILE USER EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the usability of interactive mobile application; Use guidelines, principles and theories about mobile application interface design pattern; Assess the user requirements with interaction styles for mobile application control and widget; Design the user interfaces of interactive mobile application.

Topics: Introduction to Mobile User Experience; Mobile Design Composition; Mobile Control and Information Revealed; Mobile Display Information; Mobile Text and Character Input; Mobile Drilldown; Mobile Input and Selection; Mobile Label and Indicator; Mobile General Interactive Control; Mobile Information Control; Mobile Lateral Access; Mobile Audio and Vibration; Mobile Screen Light and Sensors.

MOBI6024 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Get experiences in solving the problems of computer science; Particularly in Mobile Application & Technology field; By using the correct scientific methodology and produce a scientific methodology and procedure a scientific writing based on those experience.

Topics: Field of Computer Science; Particularly in Mobile Application & Technology.

MOBI6040 - INTRODUCTION TO MOBILE APPLICATION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Evaluate the fundamental & terminologies of mobile application Technology; Recognize several systems and software of mobile application technology; Examine the recent of mobile application technologies and their usage.

Topics: Brief History of Mobile; The mobile ecosystem; The Mobile Ecosystem (Continued); Why Mobile?; Why Mobile (Continued); Designing for context; Developing a mobile strategy; Developing a Mobile Strategy (Continued); Types of mobile applications; Types of Mobile Applications (Continued); Mobile Information Architecture; Mobile design; Mobile Design (Continued); Mobile Web Apps Versus Native Applications; Mobile Web Apps Versus Native Applications (Continued); Mobile 2.0; Mobile web development; Mobile Web Development (Continued); iPhone Web Apps; iPhone Web

Apps (Continued); Adapting to Devices; Adapting to Devices (Continued); Making Money in Mobile; Supporting Devices; Supporting Devices (Continued); The Future of Mobile.

MOBI6041 – WEB DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the HTML5 concept; Design an attractive website; Describe user interface component and the main features of HTML5; Construct simple web application using HTML5.

Topics: Introduction to HTML5; Creating Your First HTML Page; Web Page Structural; Text Formatting; Hyperlink; A New Way to Structure Pages; Web Graphic Styling; Web Form, Refined; Audio and Video; Styling with CSS; Basic Drawing with Canvas; Publishing Web Pages; Review and Group Presentation.

MOBI6043 – MOBILE TESTING AND IMPLEMENTATION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the Testing and Implementation; Describe Fundamental knowledge of Mobile Testing and Implementation; Create Simple Test Cases; Build Test Cases, Unit Testing, and Self Assessment Tools in Project; Construct the Business Plan.

Topics: Fundamentals of Testing; Testing in Software Life Cycle; Customer Profile; Static Test; The Next 10 Customer; High Level Product/Service Specification; Dynamic Test; Quantify Value Proposition; Debugging; Chart Competitive Position; Mobile Testing and Test Automation; Design Business Model.

MOBI6048 – INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Obtain working experience in the real field work especially on mobile application & technology field work to apply the theory given in the class, so they will be more ready to apply the theory for job. They will be able to acquire highly mobile application technical knowledge, specific skills and experience to innovative and creative mobile application & technology development.

Topics: Field of Mobile Application & Technology workplace.

MOBI6049 – MOBILE APPLICATION & TECHNOLOGY PRACTICE IN INDUSTRIAL EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: obtain working experience in the real field work to learn and implement various of design mobile apps; build solution using current mobile programming platform and to summarize the future technologies.

Topics: The internship will give the students the opportunity to start directly as mobile apps. programr, mobile user experience designer and mobile entrepreneur.

MOBI6050 - EES IN MOBILE INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain to: Working experience in the real mobile application & technology field work to apply soft skills.

Topics: Team work; problem solving; interpersonal skill.

MOBI6051 - PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: obtain working experience in the real field work especially on mobile application & technology field work to apply the theory given in the class, so they will be more ready to apply the theory for They will be able to have experience in using mobile programming to create real mobile project and have experience about mobile testing & mobile monetizing.

Topics: Field of Mobile Application & Technology workplace.

MOBI6052 – MOBILE APPLICATION & TECHNOLOGY PRACTICE IN PROFESSIONAL EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: obtain working experience in the real field work to build solution using current mobile programming platform and testing mobile apps; learn and apply how to monetize the mobile application.

Topics: The internship will give the students the opportunity to start directly as mobile apps. programr, mobile user experience designer and mobile entrepreneur.

MOBI6053 - PROFESSIONAL DEVELOPMENT IN MOBILE INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: obtain working experience in the real mobile application & technology field work to enhance the soft skills.

Topics: Team work; problem solving; interpersonal skill.

MOBI6055 - INTRODUCTION TO UBIQUITOUS COMPUTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the fundamental & terminologies of ubiquitous computing; Demonstrate applications & requirements of ubiquitous computing; Examine technologies of smart device and their services; Recognize human computer interaction related with of ubiquitous computing and recognize tagging; Sensing and Controlling and Context-Aware.

Topics: Introduction; Complex Ubiquity-Effects & Topology of Sensibility; The Implied Producer and the Citizen of the Culture of Ubiquitous Information; Sustainability and Surveillance in the Era of Big Data; Interface, Bodies, and Process; Design of Ubiquitous Computing Systems Supporting End-User Development; Conceptuality and Context-Awareness; Architectural Responses to Ubiquitous Information; Reflections on Emergent Complexity in Collaborative Media; Information Events, Big Data, and The Flash Crash.

MOBI6056 - MOBILE CREATIVE DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the fundamental of multi device design; Concept of ecosystem, continuous design, mobile game design & demonstrate prototyping; Balancing, tuning and polishing mobile games examine.

Topics: Introduction; Multi Device Design; Concept of Ecosystem; Consistency in Minimalist Interface; Continuous Design; Complementary Design Approach; Mobile Game Design; Prototyping; Balancing, Tuning, and Polishing Mobile Games; Final project presentation.

MOBI6057 - WEARABLE TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Wearable Technology concept on Android; Describe component & technologies of wearable technology; Produce a simple design of Wearable Technology.

Topics: Introduction; Application; Business & Industry; Biomedicine & healthcare; Component & technology; Microcontroller & Microprocess; Sensors; Comfort & Ergonomic Factors; Environment factors; Maintenance Requirement.

MOBI6058 - EMBEDDED SYSTEM AND INTERNET OF THINGS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Embedded System & Internet of Things (IoT), Describe component of internet of things & implementation IoT in our life; Produce a simple design of IoT.

Topics: Introduction; Android Peripherals; Bluetooth Robot; TV Remote; Home Automation Controller; Power Control; Smart Thermostat; RFID Doorlock; Augmented Reality; Virtual Reality.

MOBI6059 - MOBILE PROGRAMMING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the Java programming language concept on Android; Describe the main features of Android Programming and Android Software Development; Produce simple Mobile Application using the main features of Android; Construct Mobile Application based on Android platform.

Topics: Introduction to Android mobile platform; Android activities lifecycle; Multiple activities; User interface design; List view and adapter; Menu, themes and setting; Data Persistence; Services; Location Based Services; Web Services; Fragment; Action Bar; Publishing App.

SUBJECT AREA: PSYC**PSYC6004 - INTRODUCTION TO PSYCHOLOGY (2 Credits)**

Learning Outcomes: On successful completion of this course, students will be able to: Explain the scope of psychology as a scientific discipline and profession; Explain the basic psychological functions involved in daily living; Apply concepts in areas of specialization in psychology.

Topics: What is Psychology?; Psychology's Scientific Method; Learning; Memory; Human Development; Personality; Social Psychology.

PSYC6018 - METHODS OF OBSERVATION AND INTERVIEW (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able: Explain basic principles and procedures of observation and interview; Apply techniques of observation and interview in various settings; Infer the result of observation and interview assessment's application based on its data.

Topics: Using Observational Methods; Ratings Recording; Interval & Event Recording; Narrative Recording; An Introduction to Interviewing; An Interpersonal Communication Process; Questions and Their Uses; Structuring the Interview.

PSYC6022 – EXPERIMENTAL METHODS IN PSYCHOLOGY (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define experimental research designs in psychology accordance with APA's (American Psychological Association) ethical consideration; Apply experimental research methods in psychology; Design an experimental research in psychology, including data analysis and interpretation; Compose experimental research report in accordance with APA (American Psychological Association) style.

Topics: Experimental Psychology and the Scientific Method; Alternative to Experimentation; Formulating Hypotheses and Theory; The Basic of Experimentation; Control of Extraneous Variables; Within Subject Design & Analyzing; Within Subject Design: Small N; Basic Between Subject Design; Between-Subjects Factorial Designs & Analyzing.

PSYC6030 - CLINICAL PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the basic concepts in Clinical Psychology; Classify adult psychological disorders based on DSM V; Apply Clinical Psychology in various settings; Analyze various adult psychological disorders.

Topics: Introduction to Clinical Psychology; History of Clinical Psychology and Psychopathology; Paradigm in Psychopathology; Diagnosis & Classification; Schizophrenia; Mood Disorders; Anxiety Disorders; Obsessive Compulsive Related & Trauma Disorders; Dissociative Disorders & Somatic Symptom Disorders; Late life and Neurocognitive Disorders; Personality Disorders; Ethical Issues and Clinical Psychology in Indonesia; Eating Disorders; Substance Use Disorders; Forensic Psychology; Sexual Disorders; Neuropsychology; Health Psychology; Community Psychology.

PSYC6053 – INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Discuss the origin, methods, facts, and principles of psychology to people at work; Apply knowledge in organization setting; Integrate knowledge to solve the problem in the workplaces; Propose the showcase potential business project.

Topics: Introduction to organizational and work psychology; Customer insight and market analysis*; Individual differences and diversity management; Motivation and satisfaction; Group behaviour; Communication; Leadership; Human resource planning and job analysis; Recruitment and selection; Business model environment*; Prototyping product or service*; Induction, training and development; Compensation management; Performance appraisal; Career development; Design process*; Evaluation product or service*; Well-being and dysfunctional behaviour at work; Organizational design, development and culture; Field Trip/Guest Lecture; Review.

PSYC6065 – LEARNING AND COGNITIVE PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts of classical conditioning, reinforcement and punishment and observational learning; Give examples of classical conditioning, reinforcement and punishment and observational learning in daily life; Explain the concepts of cognitive psychology and its relation to learning process; Explain the application of cognitive psychology theories in daily life.

Topics: Introduction; Classical Conditioning; Operant Conditioning: Reinforcement; Operant Conditioning: Punishment; Observational Learning; Cognitive Psychology; Perception and Attention; Memory; Language; Problem Solving and Creativity; Decision Making and Reasoning.

PSYC6066 – PERSONALITY PSYCHOLOGY (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concept of humanity of personality theories; Explain the main concepts of personality theorists; Apply theories of personality on individual issues; Analyze the character's personality.

Topics: Introduction to Theories of Personality; Psychodynamic Theories: Overview; Psychodynamic Theories: Freud; Psychodynamic Theories: Jung; Psychodynamic Theories: Adler; Psychodynamic Theories: Klein; Psychodynamic Theories: Horney; Psychodynamic Theories: Fromm; Psychodynamic Theories: Erikson; Psychodynamic Theories: Murray; Humanistic/Existential Theories: Overview; Humanistic/Existential Theories: Maslow; Humanistic/Existential Theories: Rogers; Humanistic/Existential Theories: May; Dispositional Theories: Overview; Dispositional Theories: Allport; Dispositional Theories: McCrae & Costa; Biological /Evolutionary Theories: Overview; Biological /Evolutionary Theories: Eysenck; Biological/Evolutionary Theories: Buss; Learning Cognitive Theories: Overview; Learning Cognitive Theories: Skinner; Learning Cognitive Theories: Bandura; Learning Cognitive Theories: Rotter & Mischel; Learning Cognitive Theories: Kelly.

PSYC6083 - E-LEARNING PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts of e-learning; Identify the psychological factors that influence pedagogy, particularly that associated with the use of technology; Identify the underpinning theories of psychology and learning that determine teaching strategies in e-learning; Analyze the strategy in an existing e-learning course.

Topics: Introduction; Research; Theory; Pedagogy; Strategy.

PSYC6095 – THESIS (6 Credits)

Learning Outcomes: This course requires students to conduct psychological research in the area of educational psychology and write research reports in accordance with the theory and ethical codes of psychology.

PSYC6096 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify psychological variables from a social phenomenon; Formulate psychological research problem and questions from a social phenomenon; Explain the appropriate psychological theory(s) to answer the research problem; Design a research plan and measurement in order to answer the research questions; Apply the research plan and measurement; Write psychological research report in accordance with the APA Publication Manual.

Topics: Backgrounds; Research Problem; Literature Reviews; Variables and Hypothesis; Samples; Research Design; Analysis; Conclusion.

PSYC6097 – THESIS (6 Credits)

Learning Outcomes: This course requires students to conduct psychological research in the area of industrial & organizational psychology and write research reports in accordance with the theory and ethical codes of psychology.

PSYC6103 - INTERNSHIP IN EDUCATIONAL PSYCHOLOGY (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: 1 identify the psychological variables of a phenomenon in the area of education psychology; designing a psychological intervention to provide an alternative solution in dealing with a problem in the area of education psychology.

Topics: internship.

PSYC6114 - EDUCATIONAL PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the scope of educational psychology and its application in the classroom; Explain student's learning process and factors that influence the learning process; Define the individual differences and also the types of special needs students; Identify instructional methods to help students learn in classroom; Explain the assessment strategies and how to determine grades.

Topics: Educational Psychology; Development Diversity; Special Educational Needs; Learning & Cognitive Processes; Complex Cognitive Processes; Behaviorist and Social Cognitive Views of Learning; Motivation and Affect; Planning, Instruction and Technology; Instructional Strategies; Creating a Productive Learning Environment; Classroom Assessment Strategies; Summarizing Students Achievement And Abilities.

PSYC6118 - INTERNSHIP IN INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: identify the psychological variables of a phenomenon in the area of industrial & organizational psychology; designing a psychological intervention to provide an alternative solution in dealing with a problem in the area of industrial & organizational psychology.

Topics: Internship.

PSYC6119 - INTERNSHIP IN COMMUNITY PSYCHOLOGY (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: identify the psychological variables of a phenomenon in the area of community psychology; designing a psychological intervention to provide an alternative solution in dealing with a problem in the area of community psychology.

Topics: Internship.

PSYC6120 – BIOLOGICAL PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the neural foundations of behavior; Explain the biological foundations of basic human functioning; Give examples of the biological foundations of functions related to motivation and emotion; Give examples of the biological foundations of functions related to complex behaviors.

Topics: What is Biopsychology?; Neural Foundations of Behavior: the Basic Equipment; Interacting with the World: Vision and Visual Perception; Interacting with the World: Hearing and Language; Interacting with the World: Body Sense and Movement; Motivation and Emotion: Motivation and the Regulation of Internal States; Motivation and Emotion: What Makes Us Go; Motivation and Emotion: Biology of Sex and Gender; Motivation and Emotion: Emotion and Health; Complex Behavior: Sleep and Consciousness; Complex Behavior: Intelligence and Cognitive Functioning; Complex Behavior: Psychological Disorders.

PSYC6121 – METHODOLOGY OF PSYCHOLOGICAL RESEARCH: QUANTITATIVE APPROACH (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the characteristics, language and logic of research methods; Define quantitative research designs in psychology; Apply quantitative research designs in psychology; Compose research report in accordance with APA (American Psychological Association) style.

Topics: Methods for Acquiring Knowledge and Finding Research Ideas; Research Ethics; Measuring Variables; Sampling Techniques; Approaches to Research: Internal and External Validity; Descriptive Research; The Correlational Research Strategy; True Experiments; The Between-Subject and Within-Subject Experimental Design; The Nonexperimental and Quasi-Experimental Research Strategies; An Introduction to APA-style Research Reports.

PSYC6122 – SOCIAL PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the understanding of how we think about and study human behaviour in social context; Explain social psychological research methods; Evaluate findings and applications of social psychological empirical research; Plan real-world social problems solving based on theories and principles underlying social psychology.

Topics: Introducing Social Psychology; Methodology: How Social Psychologists Do Research; Social Cognition: How We Think about the Social World; Social Perception: How We Come to Understand Other People; The Self: Understanding Ourselves in a Social Context; The Need to Justify Our Actions; Attitudes and Attitude Change: Influencing Thoughts and Feelings; Conformity: Influencing Behavior; Group Processes: Influence in Social Groups; Interpersonal Attraction: From First Impressions to Close Relationships; Prosocial Behavior: Why Do People Help?; Aggression: Why Do We Hurt Other People? Can We Prevent It?; Prejudice: Causes and Cures; Making a Difference with Social Psychology: Attaining a Sustainable Future; Social Psychology and Health; Social Psychology and the Law.

PSYC6123 - EDUCATIONAL PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the scope of educational psychology and its application in the classroom; Explain student's learning process and factors that influence the learning process; Define the individual differences and also the types of special needs students; Identify instructional methods to help students learn in classroom; Explain the assessment strategies and how to determine grades.

Topics: Educational Psychology; Development Diversity; Special Education Needs; Learning and Cognitive Processes; Complex Cognitive Processes; Behaviorist and Social Cognitive Views of Learning; Motivation and Affect; Planning, Instruction and Technology; Instructional Strategies; Creating a Productive Learning Environment; Classroom Assessment Strategies; Summarizing Student Achievement and Abilities.

PSYC6124 - PSYCHOLOGY OF EARLY CHILDHOOD EDUCATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: On successful completion of this course, students will be able to: Explain the basic theories of early childhood education; Analyze the application of developmental psychology related to the curriculum of early childhood education; Describe the strategies of guidance in early childhood education; Discuss researches and contemporary issues on various topics in early childhood education.

Topics: The Scope of and Need for Early Childhood Education; The Children and Families; The Teachers and Caregivers; Rationale Supporting, Accountability, Standards, and Assessment in Early Childhood Education; The Physical Environment; Scheduling and Curriculum Planning; Creative Development Through The Curriculum; Physical Development Through The Curriculum; Cognitive Development Through The Curriculum; Language Development Through The Curriculum; Social Development Through The Curriculum; Guiding Routines and Group Activities; Guiding Social Behavior and Helping Children Cope with Stress.

PSYC6125 - PSYCHOLOGY OF SPECIAL NEEDS EDUCATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the basic concept of education for special needs children; Explain the wide range of special needs children and the appropriate teaching strategies; Identify the existing special needs education's curriculum.

Topics: Inclusive Special Education; From Inclusion and Special Education to Inclusive Special Education; Teaching Children with a wide range of Special Needs and Disabilities; Effective Teaching Strategies for Inclusive Special Education;

Organization of Schools for Inclusive Special Education; Collaboration with Parents of Children in Inclusive Special Education; Skills for Collaborating with Professionals and Parents; Advanced Skills for Professional Practice in Inclusive Special Education; Developing a Comprehensive System of Inclusive Special Education.

PSYC6127 - INDIGENOUS PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the ways in which humans and culture influence each other; Explain cross-cultural psychological research methods; Appraise similarities and differences that exist among people of different cultures around the world.

Topics: An Introduction to Culture and Psychology; Cross-Cultural Research Methods; Enculturation; Culture and Developmental Processes; Culture and Cognition; Culture and Gender; Culture and Emotion; Culture, Language, and Communication; Culture and Personality; Culture and Organizations.

PSYC6129 - ORGANIZATIONAL BEHAVIOR AND LEADERSHIP (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identity key theoretical aspects and practical applications of organizational behavior and Leadership; Apply OB and Leadership concepts and theories to analyze and improve work situations; Support students own traits and OB and Leadership competencies in the workplace for professional success and as potential organizational leader.

Topics: Introduction to Organizational Behavior; Diversity in Organizations; Attitudes and Job Satisfaction; Emotion and Moods; Personality and Values; Perception and Individual Decision Making; Motivation: From Concepts to Applications; Foundations of Group Behavior; Understanding Work Teams; Communication; Leadership; Power, Politics, Conflict and Negotiation; Foundations of Organization Structure; Organizational Culture; Organizational Change and Stress Management.

PSYC6130 - HUMAN PERFORMANCE TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Discuss Human Performance Technology Concept; Analyze Cases Using HPT; Integrate Knowledge in Human Performance Problem Using HPT.

Topics: Intervention at the Workplace and Organization Level (2): Knowledge management, organizational performance, and HPT basic concept and terminology; Foundation of Human Performance Technology; The Three Levels of Performance; The Performance Technology Process (1): Requirement; The Performance Technology Process (2): Using evaluation to measure and improve the effectiveness of HPT initiatives; Intervention at the Worker and Work Team Level (1): Instruction as an intervention; Intervention at the Worker and Work Team Level (2): Motivating individual, teams, and organization; Intervention at the Workplace and Organization Level (1): The impact of organizational development; Performance Measurement and Assessment; Performance Technology in Action: Making transition from a learning to performance function; Performance Technology in Action: The anatomy of performance; Presentation.

PSYC6132 – PSYCHOLOGICAL TEST CONSTRUCTION (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain process of cognitive test construction and/ or development; Explain process of non-cognitive test (Likert, Thurstone and semantics differential) construction and/ or development; Apply stages of cognitive test construction and/ or development; Apply stages of non-cognitive test (Likert, Thurstone and semantics differential) construction and/ or development; Analyze the data from the try-out of cognitive and non-cognitive construction process and built a norm for each of them.

Topics: Psychological variable and its measurement; General steps in test construction; Cognitive test; Selected response item; Constructed response item; Item analysis of cognitive test; Non cognitive test; Scaling; Item analysis for non-cognitive test; Data processing (guest lecture); Best practice in measurement.

PSYC6133 – LOGIC AND SCIENTIFIC WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Demonstrate how to think logically and critically; Express how to avoid fallacies in thinking and reasoning; Employ ethical conduct in academic writing by avoiding plagiarism and/or other academic cheating.

Topics: History of Philosophy of Science and Logics; Evaluating Arguments; Informal Fallacies; Formal Logic; Ejaan Bahasa Indonesia Yang Disempurnakan (EYD); The Language of Research and Different Types of Scientific Publications; How to Read a Psychology Journal Article; Citing Sources Using APA (American Psychological Association) Publication Manual; Plagiarism: Ethical Issues and How to Avoid It.

PSYC6134 – THE ORIGINS OF PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe various approaches and perspectives in psychology in historical context; Explain major philosophical paradigms or perspectives that enrich the discourse about human; Apply perspectives in developmental, social psychology, psychotherapy, and psychology of differences in predicting simple personal and social situations.

Topics: The Study of the History of Psychology; Philosophical Influences on Psychology; Physiological Influences on Psychology; The New Psychology; Structuralism; Functionalism; Applied Psychology; Behaviorism; Gestalt Psychology; Psychoanalysis; Contemporary Developments in Psychology.

PSYC6135 - SOCIAL SCIENCES FOR PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the essential features of the social and human science in understanding human behaviour in social context; Explain major philosophical, sociological and anthropological paradigms or perspectives that enrich social scientific discourse; Apply social and human science perspective when looking at everyday life, particularly local and national social life.

Topics: Human Realities in the light of Sociology, Anthropology, Philosophical Anthropology, and Psychology; Human Diversities 1: Language, Gender, Ethnicity, and Culture; Human Diversities 2: Religion and Arts; Human Philosophical Reflections 1: Changing Concepts of the Body; Human Philosophical Reflections 2: Knowledge, Intelligence, Affection, and Freedom; Human Organizations: Groups, Families, Communities, Cities, and States; Human Socialities: Socialization, Social Interaction, and Social Mobility; Human Life Domains 1: Economy, Work, Politics, and The Modern World System; Human Life Domains 2: Education, Health, and Environment; Human Social Problems: Deviance, Crime, Social Control, and Global Inequality; Globalization, Technology, Mass Media, and Social Change; Colonialism and Development, Cultural Exchange and Survival; Collective Behavior and Social Movements.

PSYC6136 – THEORIES OF DEVELOPMENTAL PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic assumptions/principles of the various theories in Developmental Psychology; Apply the concepts of Developmental Psychology in analyzing various functions in daily life and in various social contexts; Analyze events of situations using various theories in Developmental Psychology.

Topics: Introduction; Piaget's Cognitive-Stage Theory and the Neo-Piagetians; Freud's Psychoanalytic Theory; Erikson's Psychoanalytic Theory; Vygotsky and the Sociocultural Approach; Social Learning Theory; Information Processing Theory; Ethology and Other Evolutionary Theories; Gibson's Ecological Theory of Perceptual Development; Contemporary Minitheories and Emerging Approaches; Applications of Various Theories of Developmental Psychology.

PSYC6137 – PSYCHOMETRICS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define what measurement is and its various aspects in psychological research; Explain the theory and practice of psychological testing and the important aspects of psychometry; Analyze the test or scale items critically and make comparison of test or scale items.

Topics: Basic of measurement theory; Psychological test and its construction process; Item Analysis in Test Development; Reliability; Validity (Guest lecture specialist); Test Scoring and Interpretation.

PSYC6138 – LIFESPAN DEVELOPMENTAL (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain major theories of development and developmental concepts across the life span; Describe physical, cognitive, social and emotional development from prenatal period to death; Discuss researches and contemporary issues on various topics in Developmental Psychology; Analyze personal development using concepts and theories in Developmental Psychology.

Topics: The life span perspective; Prenatal development; Infancy; Toddlerhood (1-3 y.o.); Early childhood (3-5 y.o.); Middle and late childhood; Adolescence; Early adulthood; Middle adulthood; Late adulthood; Death and dying.

PSYC6139 – INTRODUCTION TO PSYCHOLOGICAL INTERVENTION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic principles in social applying psychological theories; Describe the basic methodology for applying social psychological theories to tackle a diversity of social issue; Analyze a social issue with the right social psychological theories; Choose the appropriate psychological intervention technique to tackle a social issue.

Topics: Applying psychology; Methodological approach of intervention; Problem Analysis; Main techniques of intervention; Evaluation.

PSYC6140 – COUNSELING PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify personal, professional and ethical aspect of counseling; Explain stages, process and theories in counseling; Apply basic skills of counseling in certain population.

Topics: Introduction: History of and Trends in Counseling; Personal and Professional Aspects of Counseling; Ethical Aspects of Counseling; Counseling in Multicultural Society; Building Counseling Relationships; Working in a Counseling Relationship; Closing Counseling Relationship; Psychoanalytic, Adlerian and Humanistic Therapy; Behavior and Cognitive Behavior Therapy; Brief and Crisis Theories of Counseling; Marriage, Couple, and Family Counseling; Career Counseling Over Life Span.

PSYC6141 - INTRODUCTION TO PSYCHODIAGNOSTICS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the application, history and theories of psychological testing; Classify the psychological testing according its objective; Analyze application of psychological assessment.

Topics: Application and Consequences of Psychological Testing; The History of Psychological Testing; Intelligence and Achievement Tests; Ability Testing; Testing Special Populations; Personality Testing; Assessment of Normality and Human Strengths; Neuropsychological Assessment and Screening; Industrial and Occupational Assessment.

PSYC6142 – PSYCHOLOGY IN PRACTICE (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Disregard or challenge flawed sources of information; Apply the ethical principles of psychology; Develop strategies for exceeding project criteria or, in the absence of such criteria, to met their own project performance criteria.

PSYC6143 – CURRENT ISSUES IN PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Disregard or challenge flawed sources of information; Apply the ethical principles of psychology; Develop strategies for exceeding project criteria or, in the absence of such criteria, to met their own project performance criteria.

Topics: Clinical Psychology; Educational Psychology; Social Psychology; Industrial & Organizational Psychology.

PSYC6145 - URBAN PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe key elements of a happy city; Discuss the nature and changing character of the city and the urban experience by researching or reviewing research results; Appraise present-day urban phenomena contextualized in the cities.

Topics: The Mayor of Happy; The City Has Always Been a Happiness Project; The (Broken) Social Scene; How We Got Here; Getting It Wrong; How to Be Closer; Convivialities; Mobilities I; Mobilities II; Who Is the City For?; Everything Is Connected to Everything Else; Retrofitting Sprawl; Save Your City, Save Yourself.

PSYC6146 - METHODOLOGY OF PSYCHOLOGICAL RESEARCH: QUALITATIVE APPROACH (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define qualitative research designs in Psychology; Apply qualitative research designs in Psychology; Compose qualitative research report in accordance with APA (American Psychological Association) style.

Topics: Philosophical, Paradigm, and Interpretive Frameworks; Designing a Qualitative Study; Five Qualitative Approaches to Inquiry; Five Different Qualitative Studies; Introducing and Focusing the Study; Data Collection; Data Analysis and Representation; Standards of Validation and Evaluation; "Turning the Story" and Conclusion; Writing a Qualitative Study.

PSYC6147 - PSYCHOLOGY RESEARCH PROPOSAL (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify psychological variables of a phenomena in the workplace; Explain psychological theories or concepts to explain the phenomena in the workplace; Design a psychological research proposal as a solutions to phenomena in the workplace.

Topics: psychological variables; research design.

PSYC6157 – EMPLOYABILITY AND ENTREPRENEURIAL SKILL: SELF-MANAGEMENT, COMMUNICATION, PLANNING & ORGANIZING (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: exhibit self-management and self-regulation; Refine project management skill; Enhance team work capacity.

Topics: Self Management; Planning & Organizing; Communication; Team Work.

PSYC6158 - EMPLOYABILITY AND ENTREPRENEURIAL SKILL: TEAM WORK, INITIATIVE & ENTERPRISE, PROBLEM SOLVING & DECISION MAKING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Apply psychological content and skill in workplace setting; Enhance team work capacity; Refine problem solving and decision making skill.

Topics: Communication; Team Work; Problem Solving & Decision Making; Initiative & Enterprise.

PSYC8060 - PSYCHOLOGY OF PUBLIC POLICY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the behavioral assumptions of policy; Explain behavioral dimensions that can significantly contribute to answer several important policy questions; Apply psychological perspectives and principles to policy design and implementation.

Topics: Psychology's real-world relevance; Reshaping our view of our field; Applying psychology to public policy analysis: Three alternative models; Prejudice and discrimination; Social interactions; The justice system; Bias and competence; Behavioral economics and finance; Behavior change; Improving decisions; Decision contexts; Debiasing the policy makers themselves; Paternalism, manipulation, freedom, and the good.

PSYC8080 - ASSESSMENT CENTER METHODS (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain basic theory and methods of assessment center; Recognize working processes of assessment center and assessor assessment center; Apply principles, working processes, and as assessor assessment center.

Topics: Assessment centers in human resources management; Basic requirement of an assessment centers; Developmental assessment center; Behavioral dimensions: the building blocks of assessment centers; The role of individual assessors; The role of group assessor; Providing feedback of assessment center result; Assessment center for talent management strategies; Assessment center: a look back and forward.

PSYC8087 - PSYCHOLOGICAL APPROACH ON KNOWLEDGE MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe Knowledge Management (KM); Apply The principles of KM in organization; Explain how do we measured KM.

Topics: Introduction To Knowledge In Organization; Knowledge and Management; Organizational Knowledge Creation Theory; Creating Knowledge In Practice; Middle Up Down Management Process For Knowledge Creation; A New Organizational Structure; Global Organizational Knowledge Creation; Managerial And Theoretical Implications; Supporting Culture; Knowledge Management Performance Assessment; Knowledge Management in Learning Organization Context; Learning Organization.

PSYC8126 - PSYCHOLOGY OF INSTRUCTIONAL DESIGN (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Construct the business plan and evaluate the business model; Explain the concept of instructional design in education area; Design an instructional design in education area and evaluate the implementation of instructional design in education area; Propose business plan and the showcased potential business plan.

Topics: Introduction; Business Plan Preparation; Knowing Your Learners; Creating Customer Profiles; Who are Our Next 10 Customers?; Financial Aspect of Business; High Specifications in the Business; Need Analysis Phase; Develop a Business Plan; Quantifying the Value Propositions; Chart Competitive Position; Design Phase; Designing Business Model; Strategic Future Plan; Development Phase; Your Business Now; Business Plan Evaluation; Implementation Phase; Evaluation Phase.

PSYC8128 - PSYCHOLOGY OF SOCIAL INTERVENTION (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the definition of and steps in intervention research; Formulate a social psychological problem definition from a social issue; Analyze a social psychological problem using social psychological theories and concepts; Design a social psychological intervention program in order to solve a social psychological problem; Assess effectiveness of a social psychological intervention program; Construct the business plan and evaluate the business model.

Topics: Intervention Research; Steps in Intervention; Specify the Problem and Develop a Program Theory; Creating Customer Profiles; Who are Our Next 10 Customers?; High Specifications in the Business; Quantifying the Value Propositions; Chart Competitive Position; Design Business Model; Create and Revise Program Materials; Refine and Confirm Program Components; Assess Effectiveness in a Variety of Settings and Circumstances.

PSYC8131 - PSYCHOLOGY OF TRAINING & DEVELOPMENT (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain training and development program; Apply training program; Propose training program; Construct the business plan and evaluate the business model.

Topics: Introduction to Employee Training and Development; Strategic Training; Creating Customer Profiles*; Employee Development; Special Issues in Employee Training and Development; Who are Our Next 10 Customers?*; Traditional Training Method; E-Learning and Use of Technology in Training; The Future of Training and Development; Need Assessment; High Specifications in the Business*; Transfer of Training; Quantifying the Value Propositions in the Business*; Where is Your Positions?* (Chart Competitive Position); Learning Theories and Program Design; Training Evaluation; Designing Business Model of the Business*; Presentation.

SUBJECT AREA: RSCH**RSCH6008 – QUANTITATIVE AND QUALITATIVE RESEARCH METHODS IN COMMUNICATION CONTEXT (4 Credits)**

Learning Outcomes: On successful completion of this course, students will be able to: Identify the quantitative, qualitative, and mixed methods approaches; then discuss how philosophy, designs and methods intersects when one uses one of these approaches; Plan the research approach, whether a qualitative, quantitative, or mixed methods approach, that is suitable for their proposed studies; Apply the research by writing the introduction of the proposal, abstract for a study, identification of the research problem or issue, point out the deficiencies in the literature, and targeting the study for an audience; Apply the systematic method involve the process of collecting, analyzing, interpreting, and writing the results of a study.

Topics: The Selection of a Research Approach; Review of the Literature; The Use of Theory (Sub-Session 1: Quantitative Theory Use); The use of Theory (Sub-Session 2: Quantitative and Mixed Method Theory Use); Writing Strategies and Ethical Considerations; The Introduction; The Purpose Statement; Research Questions and Hypotheses; Quantitative Methods (Sub-Session 1: Components Of A Survey Method Plan); Quantitative Methods (Sub-Session 2: Components Of An Experimental Method Plan); Qualitative Methods (Sub-Session 1); Qualitative Methods (Sub-Session 2); Mixed Methods Procedures.

RSCH6009 - METHODS IN LANGUAGE AND SOCIAL RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the elements of research paper/proposal; Distinguish the various methods in language and social research; Analyze a suitable research method for writing a research proposal; Apply the basic academic writing techniques for writing a research proposal.

Topics: Why research?; Finding Research topics; Defining your research project; Finding sources of data; Reading and collecting sources; Writing the abstract; Writing the introduction; Theoretical background; Review of related literature; Writing Review of related literature; Research design; Selecting research design; Qualitative study; Quantitative study; Data collection; Processing data; Writing the research methodology; Proposal presentation.

RSCH6010 - SEMINAR ON RESEARCH (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate ability and skill in presenting research proposal a seminar; Practice a successful role as a seminar presenter, moderator, minutes taker and audience; Design a good and interesting presentation for a research seminar on their proposal.

Topics: Introduction, Class Procedure and Seminar Scheduling; Key Roles in a Research Seminar and Parts of Research Proposal; Research Proposal Seminar 1 - What to prepare; Research Proposal Seminar 2 - Designing The Slides; Research Proposal Seminar 3 -Show Time: To Be The Best Presenter; Research Proposal Seminar 4 - Show Time: Moderating The Seminar; Research Proposal Seminar 5 - Show Time: Documenting The Seminar; Research Proposal Seminar 6 - Having Argument; Research Proposal Seminar 7 - Handling Criticisms and Inputs; Research Proposal Seminar 8 - Critical Responses; Research Proposal Seminar 9 - How To Present A Successful Seminar; Research Proposal Seminar 10 - End Notes on the Seminar; Review and Summary .

RSCH6011 - QUANTITATIVE ANALYSIS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the statistical concept and market returns; Apply the probability concepts and distribution, the sampling and estimation; Apply the hypothesis testing and correlation analysis; Analyze the linear and multiple regression.

Topics: Statistical Concepts; Statistical Concepts and market returns: Measures of Central Tendency; Statistical Concepts and market returns: Measures of Dispersion; Probability Concepts; Common Probability Distribution (I); Common Probability Distribution (II); Sampling and Estimation; Hypothesis Testing; Hypothesis Test Concerning Means and Variance; Correlation Analysis; Linear Regression; Multiple Regression; Violations of Regression Assumptions.

RSCH6014 – RESEARCH PROPOSAL (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of research proposal, write a research proposal in educational field especially primary education.

Topics: Research and Research Proposal, The Basic Principles of Writing a Research Proposal, Educational. Research Proposal.

RSCH6029 – SCIENTIFIC WRITING IN MOBILE APPS AND TECHNOLOGY RESEARCH AREA I (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: describe the basics of research methodology, the research report and can choose appropriate sampling and research design and construct questionnaires, measurement and scaling, and research proposal. Finally student can Interpret the results of statistics calculation.

Topics: Research Methodology, problem definition, research tools, survey research, basic data analysis and communicating research result.

RSCH6030 – RESEARCH METHODOLOGY FOR FILM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe and interpret two major perspective in film research; Identify and articulate possible research project in film research; Formulate research problem according to major perspective in film research; Prepare documents for research; Conduct mini film research; Evaluate information by methods appropriate to film research.

Topics: This class introduces students to the research methods used for film research. The class will be divided into two major perspectives in looking at film: film studies and film production. The class also provides knowledge in research presentation as well as study cases concerning film research.

RSCH6081 – RESEARCH FOR FILM (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the ability to write a scientific research proposal; Identify and articulate possible research project in film; Formulate research problem according to major perspective in film research; Evaluate information by methods appropriate to film research; Demonstrate the ability to present a research proposal and result; Conduct a film research based on the approved topic proposal; Apply skills of data collections in a film research; Evaluate the result of the research in relation to its real-life implementations.

Topics: Through this off-campus course, students conduct a research with the two major perspectives in looking at film: film studies and film production. The course also provides knowledge in research presentation as well as study cases concerning film research.

RSCH6107 – SCIENTIFIC WRITING IN MOBILE APPS AND TECHNOLOGY RESEARCH AREA II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6110 - SCIENTIFIC WRITING IN INFORMATION SYSTEMS RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper related information system area, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6119 – SCIENTIFIC WRITING I IN GAME TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: outline a complete scientific paper, choose an appropriate journal to submit, and prepare a checklist that will allow the students to independently judge whether the paper ready to be submitted.

Topics: Introduction to Academic Writing I, Select Your Topic, State your thesis, Organise your outline, Organise your research.

RSCH6120 – SCIENTIFIC WRITING II IN GAME TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Write the research conclusion precisely, and be able to proof read their paper.

Topics: Introduction to Academic II; How to write a conclusion; Proof-reading your work.

RSCH6137 – SCIENTIFIC WRITING FOR COMMUNICATION RESEARCH (4 Credits)

Learning Outcomes: On this course, students will be able to learn about how to write in scientific manner. This course will also provide an overview of the structure and style of research grant proposal, journal, and policy brief for a bigger purpose.

Topics: Principle of clear scientific writing; How to choose and submit your paper to appropriate journal; Introduction to grant proposal; Introduction to Policy Brief.

RSCH6138 – GLOBAL EES IN COMMUNICATION RESEARCH (4 Credits)

Learning Outcomes: At the end of this course, students will be able to implement their soft skill in research area.

Topics: Team Work, Problem Solving, Decision Making, Communication, and Leadership.

RSCH6153 – SCIENTIFIC WRITING ON FOOD RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to make an outline for a scientific paper in food research. Furthermore, students will be able to choose an appropriate journal to which they will submit the finished paper for publication.

Topics: How to make a proper Introduction; Literature review; Methodology; Results; Discussion.

RSCH6154 – SCIENTIFIC WRITING IN MATHEMATICS (4 Credits)

Learning outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6156 – SCIENTIFIC WRITING IN STATISTICS (4 Credits)

Learning outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6167 – LANGUAGE AND CULTURE INQUIRY (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Literary Review: What theories do you need to answer the problems?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6179 – GLOBAL EES IN MATHEMATICS RESEARCH (3 Credits)

Learning outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work, Self-Management, Communication, Planning & Organizing, Problem Solving & Decision Making.

RSCH6182 – GLOBAL EES IN FOOD TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work, Communication, Self management, Problem Solving & Decision Making.

RSCH6189 – EES FOR ENGLISH LANGUAGE AND CULTURE (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work, Communication, Problem Solving & Decision Making.

RSCH6203 – SCIENTIFIC WRITING IN INFORMATION SYSTEMS RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit

Topics: Introduction: What did you/others do? Why did you do it? Methods: How did you do it? Results: What did you find? Discussion: What does it all mean?.

RSCH6210 – GLOBAL EES IN STATISTICS (3 Credits)

Learning outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work, Self-Management, Communication, Planning & Organizing , Problem Solving & Decision Making.

RSCH6224 – RESEARCH EXPERIENCE (8 Credits)

Learning outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6225 – RESEARCH EXPERIENCE (8 Credits)

Learning outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6226 – RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On success completion of this course, the students have involved and carried out a “real-world” research related to linguistic and cultural phenomena under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6227 – RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On success completion of this course, students will perform research to improve the global knowledge of food technology.

Topics: Problem definition; Introduction; Literature review; Selection of research design; Methodology; Characterization/several chemical analyses; Data processing and analysis; Conclusions, and Recommendations.

RSCH6230 – RESEARCH EXPERIENCE (8 Credits)

Learning outcomes: The purpose of this course is to introduce students to the “real life research experience” under the supervision of a mentor. In this course, students will explore their research interest and learn how to conduct a good research for any kind of purposes.

Topics: Research methods and ethics; define research problem and research purposes; literature review; subject and data collection techniques; data processing and analysis; conclusion, limitation and recommendation.

RSCH6231 – RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6234 – SCIENTIFIC WRITING (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6244 – RESEARCH EXPERIENCE I (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have experience in working in a research environment under a guidance and support of a mentor who is expert in their field.

Topics: Problem definition, Literature review, Research design Methods.

Data collection techniques; Data gathering, Data processing and analysis, Implications, Conclusions, and Future Work/Recommendations.

RSCH6245 – RESEARCH EXPERIENCE I (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6259 – RESEARCH EXPERIENCE II (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: have experience in working in a research environment under a guidance and support of a mentor who is expert in their field.

Topics: Problem definition, Literature review, Research design Methods; Data collection techniques; Data gathering, Data processing and analysis, Implications, Conclusions, and Future Work/Recommendations.

RSCH6260 – RESEARCH EXPERIENCE II (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6267 – GLOBAL EES II (SELF-MANAGEMENT, PLANNING & ORGANIZING, INITIATIVE & ENTERPRISE) (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Implementing soft skills of Self-Management, Planning & Organizing, Initiative & Enterprise in a real life experience.

Topics: Self-Management; Planning; Organizing; Initiative; Enterprise.

RSCH6268 – GLOBAL EES II (SELF-MANAGEMENT, PLANNING & ORGANIZING, INITIATIVE & ENTERPRISE) (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Obtain global experience to implementing soft skills.

Topics: Self-Management, Planning & Organizing, Initiative & Enterprise.

RSCH6270 – RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” research in finance under the guidance and support of a mentor in finance research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Research Topic; Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6275 – RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6276 – RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in real-world research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition, literature review, selection of research design, subjects, and data collection techniques, data gathering, data processing and analysis, implications, conclusions, and recommendations.

RSCH6291 – GLOBAL EES I (TEAM WORK, COMMUNICATION, PROBLEM SOLVING & DECISION MAKING) (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Have research experience to implementing soft skills of Team Work, Communication, Problem Solving & Decision Making in a real life experience.

Topics: Team Work, Communication, Problem Solving & Decision Making.

RSCH6292 – GLOBAL EES I (TEAM WORK, COMMUNICATION, PROBLEM SOLVING & DECISION MAKING) (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Obtain global experience to implementing soft skills.

Topics: Team Work, Communication, Problem Solving & Decision Making.

RSCH6295 – EES IN INFORMATION SYSTEMS RESEARCH (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work; Communication; Problem Solving & Decision Making; Self-Management; Planning & Organizing; Initiative & Enterprise.

RSCH6296 – EES IN INFORMATION SYSTEMS RESEARCH (3 Credits)

Learning Outcomes: On successful completion of this course, student will obtain research experience to implementing soft skills.

Topics: Self management, planning and organizing, initiative and enterprise.

RSCH6335 – ACADEMIC WRITING FOR FILM RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the ability to write a scientific research proposal; Identify and articulate possible research project in film; Formulate research problem according to major perspective in film research; Evaluate information by methods appropriate to film research.

Topics: Through this off-campus course, students conduct a research with the two major perspectives in looking at film: film studies and film production. The course also provides knowledge in research presentation as well as study cases concerning film research.

RSCH6336 – RESEARCH IMPLEMENTATION IN FILM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the ability to present a research proposal and result; Conduct a film research based on the approved topic proposal; Apply skills of data collections in a film research; Evaluate the result of the research in relation to its real-life implementations.

Topics: Through this off-campus course, students conduct a research with the two major perspectives in looking at film: film studies and film production. The course also provides knowledge in research presentation as well as study cases concerning film research.

RSCH6348 – GLOBAL EES: TEAM WORK, COMMUNICATION, PROBLEM SOLVING & DECISION MAKING (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work, Communication, Problem Solving & Decision Making.

RSCH6349 – RESEARCH ASSISTANTSHIP (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6350 – SCIENTIFIC REPORT WRITING (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6351 – GLOBAL EES: SELF-MANAGEMENT, PLANNING & ORGANIZING, INITIATIVE & ENTERPRISE (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Self-Management, Planning & Organizing, Initiative & Enterprise.

RSCH6365 – PROPOSAL WRITING IN ACCOUNTING AND FINANCE RESEARCH (2 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to write a proposal for scientific paper in finance research field.

Topics: Introduction: The background of the research topic; Methods: The methodology used in the research.

RSCH6366 – GLOBAL EES (TEAM WORK, COMMUNICATION, PROBLEM SOLVING & DECISION MAKING) (1 Credit)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work, Communication, Problem Solving & Decision Making.

RSCH6367 – RESEARCH REPORT EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” research in finance under the guidance and support of a mentor in finance research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Research Topic; Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6368 – SCIENTIFIC WRITING IN ACCOUNTING AND FINANCE RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to assist the lecturer to write a scientific paper in Finance research field to be published in journal.

Topics: Introduction: The background of the research topic; Methods: The methodology used in the research Results: Discussion and findings of the research.

RSCH6369 – GLOBAL EES (SELF-MANAGEMENT, PLANNING & ORGANIZING, INITIATIVE & ENTERPRISE) (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Self-Management, Planning & Organizing, Initiative & Enterprise.

RSCH6411 - RESEARCH METHODOLOGY IN TOURISM (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the meaning and principal purposes of hospitality and tourism research; Explain conceptual elements of research by presenting different approaches and strategies; Construct research instruments; Prepare a research proposal; Compose a research and present its results.

Topics: What is research?; Scientific research; Social science research; The disciplinary tourism research; Reviewing the literature; Tourism research approach; Data sources and analysis; Preparing a research report.

RSCH6412 - INFORMATION SYSTEMS RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6413 - SCIENTIFIC WRITING IN INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper related information system area, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6414 - GLOBAL EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN INFORMATION SYSTEMS RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work; Communication; Problem Solving & Decision Making; Self-Management; Planning & Organizing; Initiative & Enterprise.

RSCH6418 - INFORMATION SYSTEMS RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in real-world research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition, literature review, selection of research design, subjects, and data collection techniques, data gathering, data processing and analysis, implications, conclusions, and recommendations.

RSCH6419 - SCIENTIFIC WRITING IN INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit

Topics: Introduction: What did you/others do? Why did you do it? Methods: How did you do it? Results: What did you find? Discussion: What does it all mean?.

RSCH6420 - GLOBAL EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN INFORMATION SYSTEMS RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team work, communication, problem solving and decision making.

SUBJECT AREA: SCIE

SCIE6004 - PHYSICS I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Utilize the system units and convert units of physical quantities; Use vectors to describe physical observations; Explain motion along straight line; two-dimensional motion, force and motion, energy and conservation of energy, rotational motion, equilibrium and elasticity, and its application; Identify concept of center of mass and linear momentum, fluids, oscillations, waves and temperature, and its application.

Topics Joint Class 2 (Industrial, Civil & Computer Engineering); Introduction; Vectors; Motion Along Straight Line; Two-Dimensional Motion; Force and Motion; Energy and Work; Potential Energy and Conservation of Energy; Centre of Mass and Linear Momentum; Rotational Motion; Equilibrium and Elasticity; Gravitation; Fluids; Oscillations; Waves; Temperature, Heat and the First Law of Thermodynamics; Joint Class 1 (Industrial, Civil & Computer Engineering).

SCIE6005 - PHYSICS II (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify basic concept of electric charge, electric fields, Gauss law, and its application; Explain basic concept of electric potential; magnetic fields; induction and inductance and its application; Solve capacitance, current and resistance, circuits, electromagnetic oscillation and alternating current, and electromagnetic waves; Describe basic concept of interference, diffraction, atomic theory and semiconductor and its application.

Topics: Electric Charge; Electric Fields; Gauss's Law; Electric Potential; Capacitance; Current and Resistance; Circuits; Magnetic Fields; Induction and Inductance; Electromagnetic Oscillation and Alternating Current; Electromagnetic Waves; Interference; Diffraction; Atomic theory; Semiconductor.

SCIE6014 – CHEMISTRY FOR CIVIL ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain purpose, basic concept, and roles of Chemical in Civil Engineering; Recognize the construction material that widely use in construction field; Interpret the concrete chemical technologies that widely use in construction field; Analyze the corrosion and understand the impact of corrosion; Integrate with the water and environmental issue.

Topics: Introduction; Environmental Pollution From Process Industries; Construction Material; Concrete Chemical Technology; Ceramics in Civil Engineering; Glass Industry Related to Civil Engineering; Introduction to Corrosion; Galvanic Corrosions; Corrosion Protection; Water and Environmental Issue.

SCIE6017 – BIOLOGY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify neuro system and psychological behavior; Describe structure and function of the brain, nervous system, limbic system, and the sensorimotor system; Explain structure and function and the process of sensing; Explain various causes of brain damage and neurological disease; Interpret genetic factors of human experience on the development of behavior; Analyze control of movement.

Topics: Introduction; Understanding Human Consciousness; Structure and Functions of Cells of the Nervous System; Central Nervous System; Neural Condition and Synaptic Transmission; Vision; Audition; Somatosenses; Olfaction; Brain Damage and Neuroplasticity; Genetics; Limbic System; Sensorimotor System; Control of Movement.

SCIE6020 - CHEMISTRY (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Differentiate atoms, molecules, ions, the structure of atoms and chemical bonding; Solve stoichiometry and chemical reactions problems; Calculate energy and heat in chemical reactions; Explain the physical and chemical properties of liquids, solids and solution; Explain hydrocarbon, the structure, functional groups and reactions in organic compounds.

Topics: Atoms, molecules, and ions; Stoichiometry; Reaction in aqueous solution; Covalent bonding; Thermochemistry; Liquids and solids; Solution; Rate of reaction; Chemical equilibrium; Acids and bases; Electrochemistry; Complex ions; Hydrocarbon and organic chemistry.

SCIE6021 - ORGANIC CHEMISTRY (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify The nature and behavior of chemical bonds; Analyze The basic reactivity of some major functional groups, such as carboxylic acid derivatives, amines, phenols, aromatic Compound, benzene, Aldehydes and Ketones; Identify The mechanisms of same common reaction types in organic molecules; Classify Carbohydrates and lipids, forms of Carbohydrates, and chemical reaction; Classify amino acids, peptides, proteins, nucleosides, nucleotides and nucleic acid.

Topics: Structure Determines Properties; Alkanes, alkenes, and alkynes; Alcohols; Stereochemistry; Aromaticity and Benzene; Aldehyde and Ketone; Carboxylic Acid Derivatives; Amines; Phenols; Carbohydrate; Lipids; Amino acid, Peptides, and Proteins; Nucleosides, Nucleotides, and Nucleic acid.

SCIE6022 - ANALYTICAL CHEMISTRY (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain about sampling, sample preparation and statistical treatment; Evaluate the results given by the used analytical methods (gravimetry, volumetric analysis, UV-Vis spectrometry, IR Spectrometry, atomic spectroscopy, electrophoresis, chromatography, mass spectrometry, electroanalytical methods); Examine which analytical methods (gravimetry, volumetric analysis, UV-Vis spectrometry, IR Spectrometry, atomic spectroscopy, electrophoresis, chromatography, mass spectrometry, electroanalytical methods) are appropriate in the determination of chemical composition analysis.

Topics: Introduction to Analytical Science and Sample Preparation; Gravimetric Analysis; Titrimetric Analysis; Spectrochemical Methods; UV-VIS and IR Molecular Spectrometry; Atomic Spectroscopy; Chromatography and Gas Chromatography; High-Performance Liquid Chromatography (HPLC) and Electrophoresis; Mass Spectrometry; Electroanalytical Methods.

SCIE6023 - PHYSICAL CHEMISTRY (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analyze the basic concepts of Physical Chemistry; Analyze physical and chemical changes of substances; Analyze the basic concepts of Thermodynamics laws, phase diagram, and properties of mixtures; Calculate the chemical equilibrium and rates of reactions in Food Processing.

Topics: The properties of gases; Thermodynamics: the first law (1); Thermodynamics: the first law (2); Thermodynamics: the second law (1); Thermodynamics: the second law (2); Phase diagram (1); Phase diagram (2); The properties of mixtures

(1); The properties of mixtures (2); Chemical equilibrium (1); Chemical equilibrium (2); The rates of chemical reactions (1); The rates of chemical reactions (2).

SCIE6024 - BIOLOGY (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe The Importance of biology as a science, The Nature of Molecules & the Properties of Water & The Chemical Building Blocks of Life; Explain Biology of The Cells, Energy & metabolism, The Plant/Animal form and function, Genetic and Molecular Biology, The Diversity of Life; Distinguish Nonspecific (Innate) and Specific (Adaptive) Immunity.

Topics: Introduction Basic Principles of Biology; The Nature of Molecules & the Properties of Water & The Chemical Building Blocks of Life; Biology of The Cells; Energy & Metabolism; Photosynthesis & cell Communication; Plant Form and Function; Animal Form and Function; Molecular Biology and Biotechnology; Genetics; The Diversity of Viruses and Prokaryotic; The Diversity of Protists, Green Plants & Fungi; Nonspecific (Innate) Immunity; Specific (Adaptive) Immunity.

SCIE6025 - CHEMISTRY (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analyze the mole concept in chemical reactions; Calculate the concept of stoichiometry in the reaction gas; Identify Various kinds of chemical bonds; Calculate the energy reaction, rate of reaction and equilibrium constant; Calculate the amount of metal plated, amount of current needed or the time required for an electrolysis process; Explain of chemical compounds that are harmful to the environment and how to prevent it.

Topics: Molecul, mol and Chemical equation; Stoichiometry; Gases; Chemical Bonding and Molecular Structure; Thermodynamics; Chemical Kinetics; Chemical Equilibrium; Electrochemistry; Chemical Safety and Security; Environmental Chemistry.

SCIE6026 - BASIC MICROBIOLOGY (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the foundation concepts of Basic microbiology; Demonstrate the scientific methods of Basic Microbiology in a laboratory experience; Explain morphology and physiology of microorganisms: Prokaryotic and Eukaryotic Structure and Function, Fungi, Bacterial Genetics, Bacteriophage, virus structure and life cycle. Microbial Nutrition, growth, reproduction, and metabolism, Role of microorganisms on Food, and Industrial Microbiology.

Topics: The history and Scopes of microbiology; Microscopy and Measurement of Microorganisms (1); Microscopy and Measurement of Microorganisms (2); Culture media, Control of Microorganisms by Physical and Chemical Agents; Prokaryotic Structure and Function; Eukaryotic Structure and Function; Microbial Nutrition, growth, and reproduction (1); Microbial Nutrition, growth, and reproduction (2); Fungi; Microbial Metabolism & Enzyme; Bacterial Genetics; Bacteriophages and virus; Microbial Aspects of Food and Industrial Sector.

SCIE6028 - PHYSICS II (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify basic concept of electric charge; electric field; Gauss' law, and its application; Explain basic concept of electric potential; magnetic field; induction and inductance; and its application; Solve capacitance, current and resistance, circuits, electromagnetic oscillation and alternating current, electromagnetic waves, and its application; Describe basic concept of interference, diffraction, atomic theory and semiconductor and its application.

Topics: Electric Charge; Electric Fields; Gauss's Law; Electric Potential; Capacitance; Current and Resistance; Circuits; Magnetic Fields; Induction and Inductance; Electromagnetic Oscillation and Alternating Current; Electromagnetic Waves; Interference; Diffraction; Atomic theory; Semiconductor.

SCIE6030 - NATURAL SCIENCE FOR PRIMARY I (2/2)

Learning outcomes: On successful completion of this course, students will be able to: Describe science learning process that suitable for young learners; Identify young learners' learning difficulties and the solution; Modify teaching instruction to initiate conceptual change.

Topics: Course overview; Why teach science; Teaching science by inquiry 1; Early science learning; How children learn science; Foundation of science learning; Primary process skill 1; Conceptual change learning process 1; Generating and evaluating scientific evidence and explanation 1; Organizing science education around core concept; Integrating science across curriculum; Material and resources for teaching 1; Learning progression.

SCIE6039 – NATURAL SCIENCE FOR PRIMARY II (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define science concept comprehensively; Explain the interconnection between concept and context; Apply knowledge to solve problem.

Topics: Living things and their characteristics; System organ 1; System organ 2; Growth and development; Grouping and classifying materials; Properties of materials; Changing materials; Force and motion; Energy; Simple machine; Light and sound; Earth and beyond 1; Earth and beyond 2.

SCIE6045 – PHYSICS (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Utilize the system units and convert units of physical quantities; Use vectors to describe physical observations; Explain the basic concept of motion in one and two dimension, force and motion, energy and work, rotational motion, equilibrium and elasticity, fluids, oscillation, waves, temperature, heat and the first law of thermodynamic, and its application; Identify the basic concept of electric charge; capacitors and capacitance, current and circuit; and its application.

Topics: Measurement and Vectors; One- and two- Dimensional Motion; Motion and Force; Energy and Work; Rotational Motion; Equilibrium and Elasticity; Fluids; Oscillation; Wave-I; Wave- II; Temperature, heat, and The First Law of Thermodynamics; Electricity- I; Electricity- II.

SUBJECT AREA: SOCS**SOCS6005 - LITERATURE AND EVENT: THE NATURE OF FICTION (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Define what literature is and its significant characteristics; Explain the basic elements of English prose, poetry and drama; Analyze English prose, poetry and drama based on the theory given; Explain the functions of literature and its relation to society.

Topics: What is literature?; Functions of literature; Fiction and non-fiction; Kinds of literature; Prose and elements of prose; How to read and analyze prose; Poetry and elements of poetry; How to read and analyze poetry; Drama and elements of drama; How to read and analyze drama; Theatre and performance; Genre and sub-genre; Literature and society; Review.

SOCS6006 - WESTERN CULTURE AND SOCIETY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define essential factors that influence the characteristics of American, British and Australian society; Explain the diversity of American, British and Australian identities and experiences, particularly with respect to issues of race, class, gender, and region; Analyze a range of cultural artifacts that one can utilize in the study of American, British and Australian experience and cultural values; Compare (and contrast) the typical characteristics of America to those of British, Australian and other countries.

Topics: Introduction and why studying various western cultures; American cultures, identities, diversity; American: Challenges and benefits; American: Challenges and benefits 2; American: Recognition, interaction and personal conduct; American: Recognition, interaction and personal conduct 2; British cultures, identities, diversity; British cultures, identities, diversity 2; British: Challenges and benefits; British: Challenges and benefits 2; British: Recognition, interaction and personal conduct; British: Recognition, interaction and personal conduct 2; Australian cultures, identities, diversity; Australian cultures, identities, diversity 2; Australian: Challenges and benefits; Australian: Challenges and benefits 2; Australian: Recognition, interaction and personal conduct; Australian: Recognition, interaction and personal conduct 2; Interaction in the realm of diversity; Diversity and human rights; Globalization and the future of diversity; Comparing and Contrasting 1: Case studies; Comparing and Contrasting 2: case studies; Comparing and Contrasting 3: Case studies; Comparing and Contrasting 4: Case studies; Review and Summary.

SOCS6007 - SURVEY OF ENGLISH PROSE, POETRY AND DRAMA (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define literature, its characteristics, and elements; Compare (and contrast) the typical characteristics of fiction, poetry and drama; Analyze a range of literary works.

Topics: Introduction to Fiction; Plot and Structure; Character & Characterization; Theme; Point of View; Symbol, Allegory, and Fantasy; Humor and Irony; Evaluating Fiction and Exercises; The Experience, Interpretation, and Evaluation of Drama; The Nature and Convention of Drama; Elements of Drama: Elements of Fiction plus Dialogue and Staging; Realistic and Nonrealistic Drama; Tragedy and Comedy; Evaluating Drama and Exercises; What is Poetry and Elements of Poetry; Reading the Poem; Denotation and Connotation; Imagery; Figurative Language; Allusion; Meaning and Idea; Tone; Musical Devices; Rhythm and Meter; Sound and Meaning; Pattern and Review.

SOCS6008 - INTRODUCTION TO LANGUAGE AND PHILOSOPHY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: State the meaning and nature of language and philosophy; Explain the relationship between language and philosophy; Explain the branches of philosophy; Compare and contrast the branches of philosophy.

Topics: Introduction to Philosophy; The Branches of Philosophy; The Greek Philosophers; Epistemology & Ethics; Case Study 1: "The Cave"; Enlightenment / Aufklärung; The Modern Philosophy; Existentialism; Gender & Philosophy; Case Study 2: "Equality"; The Nature of Language; The Nature of Truth; Review.

SOCS6009 - LITERARY CRITICISM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain background and key principles of each literary theory; Identify what the literary critics do in each theory; Give examples of literary work relevant to each theory; Apply each theory on the analysis of a particular literary or creative cultural work.

Topics: Theory before "theory"; Liberal Humanism; Structuralism 1; Structuralism 2 (Semiotics); Post-structuralism 1; Post-structuralism 2 (Deconstruction); Postmodernism; Psychoanalytic Criticism 1 (Freud); Psychoanalytic Criticism 2 (Lacan); Feminist Criticism 1 (and the Role of Theory); Feminist Criticism 2 (Language and Psychoanalysis); Queer Theory; Marxist Criticism; New Historicism; Cultural Materialism; Postcolonial Criticism 1 (Background and Characteristics); Postcolonial Criticism 2 (Postcolonial Reading); Stylistics 1 (Theory); Stylistics 2 (Practice); Narratology; Ecocriticism 1 (Theory); Ecocriticism 2 (Practice); Literary Theory - A History in Ten Events; Theory after "Theory"; Review 1; Review 2.

SOCS6010 - STUDIES IN MODERN LITERATURE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Read critical essays and documents written by established thinkers; Analyze critical essays and documents written by established thinkers; Criticize literary and cultural expressions in the modern world; Produce literary critical essay on literary and cultural expressions in the modern world.

Topics: Introduction; Questioning the 'Canon'; Interpretation; Interpretation 2; Commitment; Commitment 2; Form and Genre; Form and Genre 2; Modernisms; Modernisms 2; Literature and Nation; Literature and Nation 2; Literature and Ideology + Review 1; Literature and Ideology 2; Literature and Gender; Literature and Gender 2; End of Empire; End of Empire 2; From Commonwealth to Post-colonial; From Commonwealth to Post-colonial 2; Literature and History; Literature and History2; Literature and Value; Literature and Value 2 + review 2; Overall Review and Paper Preparation1; Overall Review and Paper Preparation 2.

SOCS6013 - PANCASILA & CIVICS EDUCATION I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define PPKn concept is comprehensively in Primary Education; Analyze PPKn curriculum in Primary Education; Generate creative technique for teach PPKn in Primary Education; Apply knowledge to problem solve in PPKn learning.

Topics: General concept of PPKn in Primary Education; Concept Values, Morality and Norm of PPKn Learning in Primary Education; The Actualization Pancasila as Life of Nation; Pancasila as State of Ideology; The System of Administration State in Indonesia; Development Character value of PPKn learning in Primary Education; Analysis Learning Materials PPKn in Primary Education on Curriculum 2013; Strategy, Model, Method and Media Learning PPKn in Primary Education; Development Learning Models PPKn in Primary Education on Curriculum 2013; Assessment of PPKn Learning in Primary Education; Actualization Curriculum 2013 of PPKn Learning In Primary Education; Syllabus and Lesson Plan PPKn in Elementary Education; Application of Basic Skills PPKn Learning and Teaching.

SOCS6015 - HISTORY OF ENGLISH LANGUAGE AND LITERATURE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Outline the history of English language; Explain the development of English language; Outline the history of English literature; Explain the development of English literature; Analyze historical changes in terms of linguistic systems and/or literary developments critically.

Topics: The English Language; English Spelling, Sound, and Grammar; Before Old English; Old English: 450-1150; Old English: 450-1150 (2); Middle English: 1150-1500 (1); Middle English: 1150-1500 (2); Early Modern English: 1500-1700 (1); Early Modern English: 1500-1700 (2); Modern English: 1700-present; English around the World; Conclusion and Review; Introduction-Medieval: Old English Literature: to 1100; Middle English Literature: 1066-1500; Tudor & Stuart - Tudor Literature: 1500-1603; Shakespeare and the Drama; Stuart Literature: to 1700; Augustan & Romantic: to 1790; The Romantics: 1790-1837; Victorian Literature- to 1880: The Age and its Sages; Poetry and Fiction; Late Victorian Literature: 1880-1900; Ends and Beginnings: 1901-19; Beginning Again: 1955-1980; Contemporaries; Review.

SOCS6016 - PANCASILA & CIVICS EDUCATION II (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define Pancasila & Civics Education concept is comprehensively in Primary Education; Analyze Pancasila & Civics Education materials in the curriculum in Primary Education; Apply knowledge to problem solve in Pancasila & Civics Education learning; Generate media and lesson plan Pancasila & Civics Education with creative techniques.

Topics: Introduction of Pancasila & Civics Education; Actualization Pancasila & Civics Education as Life of Nation; Analysis material of Pancasila & Civics Education in Curriculum 2013; Building character through Pancasila & Civics Education; Strategy, model and method learning of Pancasila & Civics Education; Development of learning media Pancasila & Civics Education; Development of teaching materials of Pancasila & Civics Education; Design on PPKn learning in Grade 1-3; Design on PPKn learning in Grade 4-6; Assessment development on PPKn learning; Development of Syllabus and lesson plan on PPKn; Application basic skills of teaching on PPKn; Simulation teaching on PPKn.

SOCS6017 – SOCIAL SCIENCE FOR PRIMARY II (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define social concept comprehensively; Explain the interconnection between concept and context; Apply knowledge to solve problem.

Topics: Culture; Time, Continuity, and Change; People, Places, and Environments; Individual Development and Identity; Individuals, Groups, and Institutions; Power, Authority, and Governance; Production, Distribution, and Consumption; Social, Technology, and Society; Global Connections; Civic Ideals and Practices; Investigating Historical Objects and Pictures; Life Changing Field Trip; Promoting Citizenship.

SOCS6020 - IMAGINING ME: INTERPERSONAL COMMUNICATION IN THE DIGITAL WORLD (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Express their idea in English well, either in written or spoken form; Produce well-designed and appropriate self-expression; Produce commercial digital content; Propose the potential showcase business project.

Topics: Interpersonal Communication; Prewriting Processes; Personal Narration; Personal Statement | Market Segment – Persona; Curriculum Vitae | Ideation; Cover Letter | Visual Thinking; Self-Expression in Digital World; Self-Presentation for Job Interview; Social Media; The Ethics of Self-Expression | Prototyping; Organizing Your Digital Content | Story-telling; Writing Company Profile | Scenarios in Business; Introduce Your Product Online; Socializing an Event.

SOCS6021 - SOCIAL AND DIGITAL MEDIA WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the characteristics of Social and Digital Media Writing; Differentiate between digital and analog media and writing; Write effectively for social and digital media.

Topics : Foundations : On Writing Well; Digital Media Versus Analog Media; Practice: Screen Writing: Online Style and Techniques; Headlines and Hypertext; Designing Places and Spaces; Getting It Right: Online Editing, Designing and Publishing; Review and Practice; Contexts: Blogito, Ergo Sum: Trends in Personal Publishing; We the People, Part I: Citizen Journalism; We the People, Part II: News as Conversation; Getting Down to Business: Intranets, Extranets, Portals; Learning the Legal Landscape: Libel and Privacy in a Digital Age; Afterword: Core Values of Online Journalism.

SOCS6022 - CURRENT ISSUES IN CREATIVE WRITING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify the current issues in creative writing; Analyze the current issues in creative writing and critically respond to them; Compose new ideas related to the industry of creative writing.

Topics: Introduction; Creative writing nowadays; Reshaping Creative Writing; Creative Writing in Universities; Creative Writing Habitats; Why Creative Literacy Matters; Creative Writing Research; Creative Writing Knowledge; Creativity and The Market Place; Commercialism versus Creativity; Creative writing communities; Bridging academia and business; Creative writing and globalization; Key issues in creative writing; Review.

SOCS6029 - INDONESIAN LANGUAGE, CULTURE AND SOCIETY (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify the culture and cultural phenomena in Indonesia; Analyze the cultural problems in Indonesia based on basic theories given; Produce a mini paper in Indonesian about the culture and cultural phenomena in Indonesia.

Topics: History Timeline; Indonesian Land and People; Indonesian History; Indonesian Thought and Religion; Indonesian Literature 1; Indonesian Literature 2; Indonesian Art 1; Indonesian Art 2; Indonesian Architecture; Indonesian Housing; Indonesian Cuisine; Indonesian Traditional Dress; Gender Issues in Indonesia 1; Gender Issues in Indonesia 2; Indonesian Courtship and Marriage 1; Indonesian Courtship and Marriage 2; Indonesian Festivals; Indonesian Leisure Activities; Indonesian Music and Dance 1; Indonesian Music and Dance 2; Indonesian Social Customs and Lifestyle 1; Indonesian

Social Customs and Lifestyle 2; The Development of Indonesian Language; The Development of Indonesian Language 2; Multiculturalism in Indonesia 1; Multiculturalism in Indonesia 2.

SOCS6030 - INTRODUCTION TO PRAGMATICS AND DISCOURSE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the basic concepts of pragmatics and discourse; Apply the concepts of pragmatics and discourse in actual contexts; Analyze written and spoken discourse in actual communication.

Topics: Introduction; Speech Acts; Exploring Speech Acts; Conversation; The analysis of conversation; The Cooperative Principle; Following the Cooperative Principle; Politeness; Applying politeness; Corpora and communities; Corpora and communities: Exploration; Culture and language learning; Culture and language learning: Exploration.

SOCS6032 – SOCIAL SCIENCE FOR PRIMARY I (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe social studies learning process that suitable for young learners; Identify young learners' learning difficulties and the solution; Use variation of media and technology to enrich young learners learning process.

Topics: Course Overview & Introduction to Social education for Primary Students; Definition of social studies in elementary school; Characteristic of social studies in elementary school; Social Studies in Today's Early Childhood Curricula; Constructivist approach on social study 1; Developing conceptual understanding in social study 1; Operationalizing the thematic strands of social studies for young learners; Social and emotional learning in schools 1; Measuring Elementary School Students' Social and Emotional Skills; Using technology for powerful social studies learning; Teaching with objects and photograph to support and enhance social studies curriculum; Continuity and change in social studies; New challenges in elementary social studies.

SOCS6039 - FOUNDATION IN SOCIAL SCIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify basic concepts in social science; Describe basic concepts in social science; Apply basic social science concepts to concrete cases; Analyze social phenomena using a social science approach.

Topics: Introduction to social science; Culture and individuals; Institutions and society 1; Institutions and society 2; Institutions and society 3; Economy and society; Politics and society; Developing countries; Global issues; Review.

SUBJECT AREA: STAT

STAT6002 - RESEARCH METHODOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the basic concepts of research; Choose appropriate sampling design and data collection methods; Construct questionnaire, measurement, scaling, and research report; Apply quantitative data analysis.

Topics: Introduction to Research Methodology; The Research Process; Measurement of Variables; Measurement: Scaling, Reliability, Validity; Data Collection Methods; Experimental Designs; Sampling; Quantitative Data Analysis; The Research Report.

STAT6003 – PROBABILITY THEORY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the basic concepts of probability; Interpret the results of statistical calculation; Analyze data using probability theory.

Topics: Probability Theory; Random Variables; Discrete Probability Distribution; Continuous Probability Distribution; The Normal Distribution; Statistical Estimation and Sampling Distribution; Inference on a Population Mean.

STAT6011 – DESIGN AND ANALYSIS OF EXPERIMENTS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe statistical concepts for design of experiment; Construct experimental design related to the problem; Interpret the result of statistical calculation which applied in the design of experiment.

Topics: Introduction to Experimentation; Simple Comparative Experiments; Experiments with a Single Factor: The Analysis of Variance; Randomized Blocks, Latin Squares, and Related Designs; The Factorial Designs; Blocking and Confounding; Two-Level Fractional Factorial Designs; Nested and Split-Plot Designs.

STAT6016 – SIMULATION TECHNIQUES (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the simulation techniques and this concept for statistical analysis; Demonstrate the random variable generation; Demonstrate the input modelling and estimation; Apply the modelling logic in programming language.

Topics: Introduction to Simulation; Discrete-Event Simulation; Statistical Models in Simulation; Random-Number Generation; Random-Variates Generation : Inverse Transform Technique; Random-Variates Generation :Acceptance-Rejection Technique; Input Modelling; Multivariate and Time-Series Input Models; Verification, Calibration, and Validation; Estimation of Absolute Performance; Estimating of Relative Performance.

STAT6018 – STATISTICAL THEORY I (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the concept of probability and its application; Apply the concept of discrete and continuous random variables and their probabilities to solve practical problems; Analyze multivariate probability distributions, probability of a function of random variables, sample distribution and the central limit theorem

Topics: Probability; Discrete Random Variables and Their Probability Distributions; Continuous Variables and Their Probability Distributions; Multivariate Probability Distributions; Functions of Random Variables; Sampling Distributions and The Central Limit Theorem.

STAT6020 – STATISTICAL THEORY II (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Distinguish the concept of unbiased point estimators, confidence interval, relative efficiency, consistency, sufficiency, elements of a statistical test, relationships between hypothesis-testing procedures and confidence intervals, properties of the least-squares, elements affecting the information in a sample, and analysis of variance procedures; Apply bias and mean square error of point estimators, unbiased point estimators, goodness of a point estimator, Rao–Blackwell theorem and minimum-variance unbiased estimator, estimator of moment and maximum likelihood method, type II error probabilities and sample size for Z tests, power of tests and the Neyman–Pearson lemma, and likelihood ratio tests; Infer concerning linear function of the model parameters, designing experiment and the relationship with accuracy, matched-pairs experiment, and comparison of more than two means for analysis of variance for a one-way layout.

Topics: Estimation; Properties of Point Estimators and Methods of Estimation; Hypothesis Testing; Linear Models and Estimation by Least Squares; Consideration in Designing Experiments; The Analysis of Variance.

STAT6021 – RESEARCH METHODOLOGY (2 credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the basics of research methodology and the research report; Choose appropriate sampling and research design; Construct questionnaires, measurement and scaling, and research proposal; Interpret the results of statistics calculation.

Topics: Introduction to Research Methodology; Problem Definition: The Foundation of Business Research; Qualitative Research Tools; Survey Research; Measurement and Scaling Concepts; Sampling Designs and Sampling Procedures; Basic Data Analysis; Communicating Research Results.

STAT6026 – PROBABILITY AND STATISTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify basic statistics (data, sample, population, symbolism, and definition); Calculate probability, expectation, and variance; Calculate sampling distribution and estimation; Demonstrate a hypothesis test; Interpret the result of the calculation.

Topics: Introduction; Presenting data in tales and charts; Numerical descriptive measures; Basic probability; Random variables and probability distribution; Some important discrete probability distributions; The normal distribution and other continuous distributions; Sampling and sampling distributions; Confidence interval estimation; Fundamental of hypothesis testing: one-sample tests; Two-sample tests.

STAT6030 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Compile a scientific writing as final requisite of study period by applying some research method such as determining topic; Make research design according to concentration field that consist of data collection, data selection, description and analysis; Combine mathematics or statistics with computer studies in scientific writing.

Topics: Review and application of accepted theory to solve the research problems; Determining the topic relevant to the study program; Determining the right problem solving method; Preparing the implementation and solution of research problem; Designing and writing method of thesis report; Making a final report.

STAT6031 – SEMINAR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the components of a research proposal; Construct a research proposal; Perform a research proposal presentation.

Topics: The Proposal: Readers, Expectations, and Functions; A General Framework for Developing Proposals; References in Detail; Methods; Submitting and Tracking Proposal.

STAT6036 – STOCHASTIC PROCESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply probability concept to solve Bayesian problem; Calculate the important concept of random variables with Poisson, Exponential and Gamma distributions; Calculate limiting probabilities for Discrete and Continuous Times Markov Chain in production process, birth and death process or other real phenomenon; Apply the important concept of Poisson process, Interarrival and Waiting time distribution; Apply Renewal, Queuing and Reliability theory in production process and network of queues.

Topics: Probability and Random Variables; Discrete-Time Markov Chains; Poisson Process; Continuous-Time Markov Chains; Renewal Process; Queuing Theory; Reliability Theory.

STAT6037 – NON PARAMETRIC STATISTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the methods of nonparametric statistics, Apply the methods of nonparametric statistics, Interpret the result of the calculation using nonparametric methods.

Topics: Introducing Nonparametric Methods, Centrality Inference for Single Samples, Other Single-Sample Inferences, Methods for Paired Samples, Methods for Two Independent Samples, Three or More Samples, Correlation and Concordance, Regression, Categorical Data.

STAT6040 - SCIENTIFIC COMPUTATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain data mining and statistical data mining concept; Demonstrate data exploration; Demonstrate building models; Interpret the results of exploration data and building models; Apply data mining in R and Rattle Software.

Topics: Introduction to Data Mining; Exploration; Building Models : Cluster Analysis; Building Models : Decision Trees; Building Models : Association Analysis; Building Models : Random Forests; Building Models : Boosting; Building Models : Support Vector Machines; Building Models : Neural Network.

STAT6043 – LINEAR MODEL (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the concepts of linear models; Choose the types of the appropriate linear models to solve real problem; Analyze the linear models and its application.

Topics: Introduction to Linear Models; The Multivariate Normal Distribution; Quadratic Forms in Normal Distribution; Full-Rank Linear Models; Less-Than-Full-Rank Linear Models.

STAT6044 – CATEGORICAL DATA ANALYSIS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe categorical data and models; Analyze categorical data; Interpret the statistical measurement in analyzing categorical data.

Topics: Distributions and Inference for Categorical Data; Association between Categorical Variables; Log-Linear Models; Logistic Regression with Continuous Predictors; Logistic Regression with Categorical Predictors; Logistic Regression for Multicategory Outcomes.

STAT6047 – NUMERICAL METHODS FOR STATISTICS (2 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Select the proper numerical methods for statistical analysis; Compute operational of matrices and eigenvalue; Demonstrate numerical statistics using R; Solve the equation system and numerical interpolation; Use differentiation, integration, and optimization.

Topics: Introduction to Numerical Methods; Matrices and Linear Equation; Regression Computations; Eigen problems; Interpolation and Smoothing; Numerical Differentiation; Optimization; Maximum Likelihood; Numerical Integration and Monte Carlo Methods.

STAT6050 – SURVIVAL ANALYSIS (2/1 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Explain survival data and analysis method; Apply survival analysis method; Interpret the result of survival analysis.

Topics: An Introduction to Survival Analysis; Survival Data Layout; Basic Concepts of Survival Models; Life Table and Kaplan-Meier Survival Curves; The log-rank test; The Cox Proportional Hazards Model and Its Characteristics; Evaluating the Proportional Hazards Assumption; Stratified Cox (SC) Model; Extension of the Cox Proportional Hazards Model for Time-Dependent Variables; Parametric Survival Models.

STAT6051 – TIME SERIES ANALYSIS (2/1 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Apply the time series methods to data; Calculate the statistics that used in modeling time series data; Explain the fundamental concepts in time series models; Use R Software in time series data analysis.

Topics: Trend Forecasting and Exponential Smoothing; Models for Stationary and Nonstationary Time Series; Model Specification, Parameter Estimation, and Model Diagnostics; Forecasting and Seasonal Models.

STAT6053 - MULTIVARIATE STATISTICS (4 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Calculate measurements of multivariate statistics methods; Construct the steps of multivariate statistics methods; Apply multivariate statistics methods; Interpret the application results of multivariate statistics methods.

Topics: The Multivariate Normal Distribution; Test on One or Two Mean Vectors; Multivariate Analysis of Variance; Tests on Covariance Matrices; Discriminant Analysis; Canonical Correlation; Principal Component Analysis; Factor Analysis; Cluster Analysis.

STAT6054 – ECONOMETRICS (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Select appropriate econometrics technique to solve problem; Apply econometrics technique; Use R software to analyze data related to economics.

Topics: An Introduction to Econometrics; Single-Equation Regression Model; Relaxing the Assumptions of the Classical Model; Panel Data Regression Models; Dynamic Econometric Models: Autoregressive and Distributed-Lag Models; Simultaneous Equations Models; Vector Error Correction and Vector Autoregressive Models.

STAT6055 – STRUCTURAL EQUATION MODELING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe basic concepts of Structural Equation Modeling; Apply Structural Equation Modeling techniques; Perform LISREL software.

Topics: Introduction to Structural Equation Modeling; Fundamental concepts; Core Techniques; Structural Regression Models; Path Analysis; Confirmatory Factor Analysis; SEM Applications.

STAT6058 – SAMPLING TECHNIQUES (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the elements of sampling problem; Calculate statistical measurements for sampling techniques; Interpret the results of calculation for statistical measurements; Distinguish types of sampling techniques.

Topics: Elements of the Sampling Problem; Some Basic Concepts of Statistics; Simple Random Sampling; Stratified Random Sampling; Systematic Sampling; Cluster Sampling; Ratio Estimation; Estimating the Population Size.

STAT6065 – ECONOMICS STATISTICS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify the concept of statistic; Apply statistical concept properly; Solve economic and business problems.

Topics: Data and Statistics; Descriptive Statistics: Tabular and Graphical Presentations; Descriptive Statistics: Numerical Measures; Interval Estimation; Hypothesis Tests; Tests of Goodness of Fit and Independence; Simple Linear Regression; Index Numbers; Forecasting.

STAT8067 – BUSINESS STATISTICS I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of statistic; Apply statistical concept properly; Analyze the statistical methods to solve economic and business problems.

Topics: Describing Data: Numerical Measures; Describing Data: Displaying Data and Exploring Data; A Survey of Probability Concepts; Discrete Probability Distributions; Continuous Probability Distributions; Estimation and Confidence Intervals; One Sample Tests of Hypothesis; Two Sample Tests of Hypothesis.

STAT8068 - BUSINESS STATISTICS II (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of statistic; Apply statistical concept properly; Analyze the statistical methods to solve economic and business problems.

Topics: Correlation and Linear Regression; Multiple Regression Analysis; Analysis of Variance; Nonparametric Methods: Nominal Level Hypothesis Tests; Nonparametric Methods: Analysis of Ordinal Data.

STAT6080 – STATISTICS IN COMMUNICATION CONTEXT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Calculate the statistical measurement and qualitative data using graph; Calculate probability and expectation and variance of random variable; Apply Binomial and Normal distribution and appropriate Sampling distribution in given problems; Apply Hypothesis test or ANOVA to get conclusion about population mean; Apply Simple linear regression to get appropriate statistical model in a real problem.

Topics: Descriptive Statistics; Probability; Random Variable Distribution; Sampling Distributions; Interval Estimation; Hypothesis Tests; Test of Goodness of Fit and Independence; Analysis of Variance (ANOVA); Simple Linear Regression.

STAT6081 - STATISTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the statistical data; Explain the results of statistical measurements; Apply statistical method to the real problem; Analyze the suitable decision from statistical method solution.

Topics: Introduction: Data and Statistics; Descriptive Statistics; Introduction to Probability; Discrete Probability Distributions; Continuous Probability Distributions; Sampling and Sampling Distributions; Interval Estimation; Hypothesis Tests; Analysis of Variance; Simple Linear Regression.

STAT6084 – APPLIED STATISTICS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply statistical method to the real problem; Use proper statistical techniques for statistical decision making; Use statistical software to conduct analysis; Interpret the results of output software and statistics calculation; Explain the suitable decision from statistical method solution.

Topics: Comparing two populations means; Discrete data analysis; ANOVA and MANOVA; Linear Regression and Correlation; Multifactor Experimental Design and Analysis; Non Parametric Statistical Analysis; Acceptance Sampling.

STAT6085 – REGRESSION ANALYSIS (2/2 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Interpret basic concepts of regression; Analyze data using regression methods; Use R software in regression analysis.

Topics: Simple Linear Regression; Multiple Linear Regression; Regression Diagnostics; Qualitative Variables as Predictors; Analysis of Collinear Data; Variable Selection Procedures.

STAT6090 – INTERNSHIP (8 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to apply the theory given in the class, so they will be more ready to apply the theory for job. They will be able to acquire highly marketable knowledge, specific skills and construct statistics model both manually and using computer and implement the statistics models to solve the real problems.

Topics: Field of Information Technology and Statistics workplace.

STAT6091 – DATA ANALYSIS IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize industrial problem, Apply statistical method to solving industrial problem, Interpret the result of statistical method application.

Topics: Exploring Data, Probability and Decision Making under Uncertainty, Statistical Inference, Regression Analysis and Time Series Forecasting, and Optimization and Simulation Modeling.

STAT6092 – STATISTICAL PROGRAM IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create statistical program to solving industrial problem, Use statistical software, Interpret the output of statistical software.

Topics: Programming Structures, Object-Oriented Programming, Input / Output, String Manipulation, Graphics, Debugging, Performance Enhancement: Speed and Memory, Interfacing R to Other Languages.

STAT6094 - STATISTICAL COMPUTING LAB (2/2 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Explain the basic concept of R; Operate R for loading data, R object, R syntax and R function; Construct R syntax and R function for statistical programming; Interpret the results of exploration data using R; Apply probability distribution and statistical test in R.

Topics: Introduction to R; R Basic; R Syntax; R Functions; Object-Oriented Programming (OOP); Working with Data; Analyzing Data; Graphics and Lattice Graphics; Probability Distribution; Hypothesis Testing.

STAT6095 - STATISTICS METHOD (2 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Apply knowledge about Descriptive and Inference statistics in food technology problem; Calculate relevant food technology problems using of frequency distribution, probabilities and hypotheses; Analyze relevant problems in life sciences using simple linear regression, ANOVA and factorial design.

Topics: Descriptive and Inference statistics; Frequency Distribution; Probabilities; Hypotheses; Simple Linear Regression; Experiment with a Single Factor: ANOVA; Two-factor ANOVA With Cross-classification; Introduction to Factorial Design.

STAT6096 – STOCHASTIC PROCESSES (4 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Design a system when randomness is significant; Describe the effect of variability into a system's behavior and performance; Apply Markov Chains to various kinds of problems; Apply basic inventory models; Define key concepts in production flow (i.e. bottlenecks, line balancing, and Little's Law); Use open and closed Jackson networks and maintain throughput in a closed Jackson network and compute corresponding WIP levels.

Topics: Probability and Random Variables; Discrete-Time Markov Chains; Poisson Process; Continuous-Time Markov Chains; Renewal Process; Queuing Theory; Reliability Theory.

STAT6099 – STATISTICS FOR EDUCATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain statistical concept; Apply knowledge and skills with variety of statistical concept; Apply skills with tools useful for statistical applications.

Topics: Basic Concept in Statistics; Descriptive Statistics; The Normal Curve and Standard Scores; Confidence Interval, Hypothesis Testing, Z-Test; The T-Test; The T-Test Using SPSS; Independent-Sample T-Test; Independent-Sample T-Test Using SPSS; Analysis Of Variance; ANOVA Using SPSS; Correlation; Correlation Using SPSS; Regression; Regression Using SPSS; Reliability and Validity; The Chi-Square Goodness of Fit Test; The Chi-Square Goodness of Fit Test Using SPSS; The Sign Test and The Wilcoxon Rank Sum Test; The Kolmogorov-Smirnov One-Sample Test; The Wilcoxon test using SPSS and The Kolmogorov-Smirnov One-Sample test using SPSS; The Mann-Whitney Test; The Mann-Whitney Test Using SPSS; The Kruskal-Wallis Test (Small Data); The Kruskal-Wallis Test (Small Data) Using SPSS; The Kruskal-Wallis Test (Large Data); The Kruskal-Wallis Test (Large Data) Using SPSS.

STAT6105 - STATISTICAL MARKETING RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe a framework for conducting marketing research; Select appropriate research design and sampling design; Construct measurement and scaling, and questionnaire design; Use statistical methods to solve marketing research problem; Analyze the business plan and model.

Topics: Introduction and Early Phases of Marketing; Research Design; Customer Profile; The Next 10 Customer; Measurement and Scaling; High Level Product/Service Specification; Quantify Value Proposition; Questionnaire and Form Design; Sampling; Chart Competitive Position; Design Business Model; Data Analysis and Reporting.

STAT6106 - STATISTICAL PROCESS CONTROL (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the basic concept of statistical process control; Explain the benefits of statistical process control in maintaining the parameters of stability; Apply the concept of variability in process control; Demonstrate the methods of statistical process control.

Topics: Introduction to Statistical Process Control (SPC); The concepts of variability; The DMAIC process; Univariate statistical process-monitoring and control techniques; Engineering process control and SPC; Factorial and fractional factorial experiments for process design and improvement; Process optimization with designed experiments; Lot by lot acceptance sampling for attributes; Other acceptance sampling techniques.

STAT6109 - STATISTICS FOR PSYCHOLOGY (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the role of statistic in psychological research; Apply the methods in descriptive statistics; Apply the methods in inferential statistics; Operate SPSS based on methods in descriptive and inferential statistics and Interpret the results of the statistical procedures and test from SPSS output.

Topics: Introduction to Statistic; Descriptive Statistic; Introduction to hypothesis testing; T-test; Analysis of variance; Non Parametric test; Correlation; Regression.

STAT6115 - STATISTICAL QUALITY CONTROL (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of quality improvement; Apply the process and measurement system capability analysis; Demonstrate the methods of statistical quality control; Interpret the results of data analyze using R; Propose the potential showcased business project.

Topics: Introduction to Quality and Modeling Process Quality; Inference about Process Quality, Method and Philosophy of SPC; Customer Insight and Market Analysis; Business Model Environment; Control Chart for Variables; Control Chart for Attributes; Design Process; Process and Measurement System Capability Analysis; Product and Service Development; Cumulative Sum and Exponentially Weighted Moving Average Control Charts; Prototyping Product; Multivariate Process Monitoring and Control; Evaluation.

STAT6117 - EES IN STATISTICS INDUSTRY (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real field work to apply and enhance the soft skills.

Topics: Team work; problem solving; interpersonal skill.

STAT6140 – BUSINESS STATISTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the statistical data; Explain the results of statistical measurements; Apply statistical method to the real problem; Analyse the suitable decision from statistical method solution.

Topics: Introduction : Data and Statistics; Descriptive Statistics; Introduction to Probability; Discrete Probability Distributions; Continuous Probability Distributions; Sampling and Sampling Distributions; Interval Estimation; Hypothesis Tests; Analysis of Variance; Simple Linear Regression.

SUBJECT AREA: TAXN

TAXN5018 - TAXATION ACCOUNTING (2/2 Credits)

Learning outcome: On successful completion of this course, students will be able to: Explain and understand the basic concepts of tax accounting and financial statements for tax purposes; Explain and understand the components of financial statements for tax purposes; Explain and understand permanent and temporary difference in taxable income reconciliation; Prepare annual tax return.

Topics: Basic Concepts of Tax Accounting; Tax Purpose Financial Statements; Components of Tax Purposes Financial Statement: Currents Assets; Components of Tax Purposes Financial Statement: PPEs and Intangibles; Components of Tax Purposes Financial Statement: Long term investment and liabilities; Components of Tax Purposes Financial Statement: Equities; Components of Tax Purposes Financial Statement: Tax Receivables/ Payables; Components of Tax Purposes Financial Statement: Revenues and Expense; Accounting for Income Tax; Taxable Income Reconciliations and Tax Return Preparations.

TAXN6007 – SALES TAX AND OTHER INDIRECT TAXES (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain basic concept of VAT and indirect tax in Indonesia; Calculate how much VAT must be paid by taxable tax-payer; Analyze which are VAT/other indirect tax subject and object, and which are not; Calculate how much tax on Sale of Luxury Goods and indirect taxes.

Topics: Overview of VAT; VAT Mechanism; Taxable Goods and Services; VAT Subject and Taxable tax-payer; VAT in; Tax Invoice; VAT Restitution; Deemed VAT in; VAT Facility; Tax on Sale of Luxury Goods.

TAXN6010 – TAX AUDIT, TAX COLLECTION, OBJECTION, AND APPEAL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain about tax return, Explain requirements for submitting tax return correctly, Explain and understand tax audit clearly, Explain and understand tax audit procedures and guideline, Apply tax audit techniques on specific tax return, Explain tax decision, tax collection, objection, and appeal.

Topics: Tax Return (SPT), Control of tax return, Tax audit, Bookkeeping (accounting/pembukuan) and recording (pencatatan), Tax audit procedures, Rights and obligations in tax audit, Tax audit guideline, Law enforcement and its resistance, Tax audit techniques: monthly VAT tax return, Tax audit techniques: annual income tax return, Tax audit guideline on taxpayer with special relationship, Tax decision (ketetapan) and tax collection, Tax objection and appeal.

TAXN6012 – PBB, BPHTB, BM AND REGIONAL TAXES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Land and Building Tax and Land and Building Title Transfer Duty, Calculate how much Land and Building Tax must be paid, Calculate how much Land and Building Title Transfer Duty must be paid, Explain Stamp duty, Explain Regional taxes, Explain Regional charges.

Topics: Introduction to Land and Building Tax, Calculation of Land and Building Tax, Land and Building Tax Payable and Sanction, Administrative of Land and Building Tax, Introduction to Land and Building Title Transfer Duty, Land and Building Title Transfer Duty Payable and Sanction, Administrative of Land and Building Title Transfer Duty, Introduction to Stamp Duty, Postdated Duty Stamp and Sanction, Introduction to Regional Taxes, Administrative of Regional Taxes, Introduction to Regional Charges, Administrative of Regional Charges.

TAXN6019 - TAXATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain Overview of Indonesian taxation; Distinguish the differences of tax subject and tax object, deductible and non deductible expenses and each income taxes in Indonesia; Analyze tax subject and tax object, deductible and non deductible expenses and specific income taxes applied for income tax calculation; Calculate specific income taxes and annual income tax; Prepare fiscal reconciliation and annual income tax return.

Topics: Overview of Indonesian taxation; Tax subject and tax object; Deductible and non deductible expenses; Calculating annual income tax and final income taxes; Income tax article 21; Income tax article 22; Income tax article 23; Income tax article 24, 25, 26; Fiscal reconciliation and annual income tax return (SPT Tahunan).

TAXN6034 - TAXATION I (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain overview of Indonesian taxation; Distinguish the differences of tax subject and tax object, deductible and non deductible expenses and each income taxes in Indonesia; Analyze tax subject and tax object, deductible and non deductible expenses and specific income taxes applied for income tax calculation; Calculate specific income taxes and annual income tax; Prepare annual income tax return.

Topics: Overview of Indonesian taxation; Tax subject and tax object; Deductible and non deductible expenses; Calculating annual income tax and final income taxes; Income tax article 21 ; Income tax article 22; Income tax article 23; Income tax article 24, 25, 26; Annual personal income tax return (SPT Tahunan WP OP).

TAXN6035 – TAXATION II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain general provisions and tax procedures in Indonesia; Calculate VAT and sales tax on luxury goods regulation in Indonesia; Calculate tax on land and buildings; and tax on acquisition of land and buildings; Calculate corporate fiscal reconciliation; Prepare Annual corporate tax return (SPT Tahunan PPH Badan).

Topics: General provisions and tax procedures; VAT and sales tax on luxury goods; Tax on land and buildings; Tax on acquisition of land and buildings; Corporate annual income taxes; Corporate fiscal reconciliation; Corporate annual tax return preparation (SPT).

TAXN6038 – TAXATION LABORATORY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Calculate income tax article 21/26; Calculate income tax article 4(2),15, 22, 23, 24, 25; Prepare e – SPT for income tax article 21/26, 4(2),15, 22, 23; Calculate corporate tax and prepare e –SPT corporate annual tax; Calculate VAT and tax on sale of luxury goods; and prepare e - SPT VAT and Tax on Sale of Luxury Goods.

Topics: Calculating income tax article 21/26; e - SPT for income tax article 21/26; Calculating income tax article 22 ,23, 24, 25; e – SPT for income tax article 22,23; Calculating income tax article 4(2), 15; e – SPT for income tax article 4 (2), 15; Corporate Tax; Calculation of corporate tax; e – SPT for Corporate Tax; Calculation for VAT and Tax on Sale of Luxury Goods; e – SPT for VAT and tax on sale of luxury goods.

TAXN6039 – TAXATION ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the difference between accounting and tax accounting, and also basic principles of tax accounting; Explain tax accounting for assets; Explain tax accounting for liabilities and equities; Explain tax accounting treatment for specific transactions; Prepare fiscal reconciliation for annual tax return reporting.

Topics: Accounting vs taxation regulation; Accounting and basic principles of tax accounting; Current assets accounting; Fixed assets accounting; Revaluation and business combination; Intangible assets accounting; Liabilities, investments and

equities accounting; Foreign currency accounting and income taxes accounting; Income taxes accounting; Rent and construction accounting; VAT and tax on luxury goods accounting; Expenses and loss compensation; Fiscal reconciliation.

TAXN7013 – INTERNATIONAL TAXATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain International taxation and double taxation issues related to international taxation; Analyze International tax avoidance and nondiscrimination principles and process of double tax avoidance agreement; Analyze International tax issues on PE and business profits; Explain Personal and other income international tax issues; Explain Double taxation agreement model.

Topics: Introduction of International Taxation in Indonesia; Double tax avoidance agreement model; Interpretation of double tax avoidance agreement; Permanent establishment and business profits; Passive income; immovable property and capital gain; Personal income and other income; International tax avoidance; Nondiscrimination principles and process of double tax avoidance agreement; Tax Treaty Agreement Indonesia and others country : Singapore , USA and Netherlands.

SUBJECT AREA: TRSM

TRSM6132 - PRINCIPLES OF TOURISM, LEISURE AND RECREATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify major concepts in tourism; Analyse what makes tourism possible to tourism; Analyse how tourism become an important factor of any nation; Apply a simple tourism forecasting - supply and demand.

Topics: Part I Tourism Overview; Part II How Tourism Organized and Managed; Part II How Tourism Organized and Managed (Cont'd); Part III Understanding Travel Behavior; Understanding Travel Behavior (Cont'd); Part IV Tourism Supply, Demand, Policy, Planning and Development; Tourism Supply, Demand, Policy, Planning and Development (Cont'd); Part V Essentials of Tourism Research and Marketing; Field Project Study; Essentials of Tourism Research and Marketing (Cont'd).

TRSM6133 - TOURISM GEOGRAPHY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define World and Indonesia Tourism destination; Demonstrate a critical understanding of the world tourist attractions; Apply world tourist attractions to be implemented Tourism management; Analyze tourist destination as a geographical factors.

Topics: Geography of travel and tourism: the Attraction of Place; Patterns and Processes of World Tourism; Processes of World Tourism; Geography and Tourism in North America; Geography and Tourism in Mexico; Geography and Tourism in Central America and the Caribbean; Geography and Tourism in South America; Geography and Tourism in Western Europe; Geography and Tourism in Northern Europe; Geography and Tourism in Southern Europe; Geography and Tourism in Central Europe; Geography and Tourism in The Balkan States; Geography and Tourism in Russia and the former Soviet Union; Geography and Tourism in Middle East and Africa; Geography and Tourism in Australia, New Zealand and the Islands of the South Pacific; Geography and Tourism in Asia; Geography and Tourism in South East Asia; Geography and Tourism in Indonesia.

TRSM6137 - INDONESIAN CULTURE, HISTORY AND HERITAGE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Indonesian culture, history and heritage; Explain how Indonesian cultural, history and heritage become important factor for tourism; Analyze how Indonesian cultural, history and heritage contribute to tourism; Evaluate the importance of Indonesian, history and heritage for tourism.

Topics: Introduction: heritage tourism and the less-developed world; Protecting the past: challenges and opportunities; The politics of heritage; Heritage tourism and its impacts; The meanings, marketing, and management of heritage tourism; Heritage and tourism in Indonesia: cultural landscapes; Modernity, myth, and identity; Heritage tourism: can turbulent times be overcome?; Setting a Sustainability Stage for Heritage Tourism; Museums; Heritage Hotels and Resorts; Heritage Festivals; The effects of tourism development on indigenous populations; Local Community Involvement and Benefits; Indonesian literature and art; Indonesian architecture and housing heritage; Cuisine and traditional dance; Culture as a component of the hospitality product; New media and technologies: trends and management issues for cultural tourism; Intelligent information interactions for cultural tourism destinations; Destination information, marketing and management systems and sustainable heritage tourism development; World heritage sites; Culture, History and Heritage Interpretation; Heritage tourism planning; Conclusions: Tourism, Culture and Heritage Development; Presentation.

TRSM6140 - TOURISM LAW AND REGULATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define Tourism Planning and Policies; Discuss Tourism issues and cases; Use Concept, Theories, and methods of Tourism planning and policy; Analyze gap in approaches and methods used in tourism policy and planning analysis.

Topics: New Spaces of Tourism Planning and Policy; Tourism Planning and Policy: Historical Development and Contemporary Challenges; Stories of Practice; Tourism, Trams and Local Government Policy Making in Christchurch: A Longitudinal Perspective; Tourism Planning, Community Engagement and Policy Innovation in ucluelet, British Columbia; Development on Kangaroo Island: The Controversy Over Southern Ocean Lodge; Neoliberal Urban Entrepreneurial Agendas, Dunedin Stadium and the rugby World cup: or 'if you don't Have a Stadium, you don't Have a Future'; Local Government Entrepreneurship in Tourism Development: The Case of the Hurunui District, New Zealand; Field Trip; The Making Tourism Dilemma: Converging Forces, Contesting Values; A Participatory Approach to Planning Using Geographic Information Systems (GIS): A Case Study from Northeast Iceland; Factors Affecting Collaboration in Destination Marketing: the development of www.purenz.com; an integrated approach to tourism Planning in a developing nation: A Case Study from Beloi (Timor-Leste).

TRSM6141 - TOURISM DESTINATION AND PLANNING MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define of tourism, planning and policy; Explain the scope of the field of tourism planning; Construct main controls, tools and techniques of destination growth management; Define the issues that affect the identification and understanding of the consequences of tourism, particularly with respect to their implications for planning and management.

Topics: Inside the 'black box' of tourism planning and policy: setting a context; Tourism planning and policy: Responding to change – the sustainable imperative; The changing dimensions of tourism planning; Sustainable Tourism; Tourism planning systems: theory, thinking and exorcism; Tourism systems; The integrated and strategic tourism planning process; The policy, planning and decisionmaking process: the setting; Strategic planning for tourism 1; Strategic planning for tourism 2; Tourism planning and policy at the international and supranational level 1; Tourism planning and policy at the international and supranational level 2; Tourism planning and policy at the national and sub-national level; The organisation of government involvement in tourism; Planning destinations: competition and cooperation; Changing places, changing thinking; Field Trip; Relationships and networks; Conflict in destination development; Ethics in tourism management 1; Ethics in tourism management 2; Planning sites: sustainable design; Implementation and instruments: policy and implementation as two sides of the same point; The problem of implementation; Conclusions and reflections: Thinking sustainable planning.

TRSM6142 - EVENT MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify types of events and its activities; Describe the event human resources and finance; Apply the event projects planning and optimization the project; Analyze the event operation and its impacts.

Topics: Introduction to events management; Managing event projects; Event design and production; Managing the event human resource; Event finance; Event marketing; Event health, safety and risk management; Event operations; Mega-events; Events in the public and third sectors; Corporate events; Cultural events and festivals; Event impacts, sustainability and legacy; Events and the media; Sporting events.

TRSM6143 - ECOTOURISM AND SUSTAINABLE DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the essence of ecotourism; Describe criteria used to define ecotourism; Illustrate topics and issues important to ecotourism; Apply best practices of ecotourism.

Topics: Project Presentation 2; The nature of ecotourism; The ecotourist; Nature-based ecotourism; Sustainability 1: local participation and benefits; Sustainability 2: conservation; Learning; The moral imperative; Socio-cultural and ecological impacts of ecotourism; Carrying Capacity; Managing Visitor Use; Economic impacts and marketing of ecotourism; Development, governance, and policy; Programme planning; Ecotourism and protected areas: visitor management for sustainability; The role of interpretation in achieving a sustainable future; Linking conservation and communities: community benefits and social costs; Field Trip 1; Ecotourism case studies; Marketing ecotourism: meeting and shaping expectations and demands; The Greening Market; Opportunities in Marketing Ecotourism; Climate change and ecotourism; Impacts, potentials, and possibilities; Project Presentation 1; Field Trip 2.

TRSM6144 - FACILITIES DESIGN FOR TOURISM DESTINATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the core structural components of tourism facility; Identify basic requirements of tourism facility; Appraise site selection: the advantages, or possible problems in designing tourism facility; Design tourism basic facilities.

Topics: Profile of Tourism Industry; Tourism Facility Characteristics (Hotels, Resorts, and Parks); Hotels-Types and Characteristics; Resorts -Types and Characteristics; Parks; Tourism Facility Organization and Marketing; Facility Programming - Spatial factors; Cost Analysis; Tropical tourism and tropical eco-tourism: Scale and trends; Operational issues in eco-friendly resort design; Building plans; Safety and Security Requirements; Entrances, lobbies and circulations; Internal transportation; Furniture and furnishing; Public facilities; Field Trip; Field trip; Leisure and recreation facilities; External recreation areas; Energy Management; Waste Management; Environmental Standards: Technical installations; Maintenance and Refurbishment; Project Presentation; Project presentation.

TRSM6145 - INDUSTRIAL EXPERIENCE IN TOURISM (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Being able to identify and analyze problems related to tourism through a variety of relevant science and approach and make recommendations on the findings of the results

Topics: Issues on tourism development; Planning and management.

TRSM6146 - INDUSTRIAL EXPERIENCE REPORT IN TOURISM (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Being able to identify problems in the world of tourism as efforts to find a solution or enhancement of aspects and knowledge related to tourism.

Topics: Research on tourism.

TRSM6147 - INDUSTRIAL EXPERIENCE SEMINAR IN TOURISM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Being able to present the research report at a seminar as a solution or enhancement of aspects related to tourism.

Topics: Research on tourism.

TRSM6148 - PROFESSIONAL EXPERIENCE IN TOURISM (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the skill and knowledge related tourism in the working place; able to supervise and give the solution to the basic problem within tourism industry.

Topics: Professional attitude skill, tourism hardskill and soft skill; Tourism planning and design; Tourism marketing and tourism management.

TRSM6149 - PROFESSIONAL EXPERIENCE REPORT IN TOURISM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply professional ethics in the multicultural working place for tourism industry; Able to apply ethical value and professional attitude within tourism industry.

Topics: Professional ethics; Tourism industry and ethical value in the workplace; The code of ethic in tourism sectors.

TRSM6150 - PROFESSIONAL EXPERIENCE SEMINAR IN TOURISM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply managerial skills in workplace related to tourism area; Able to apply the relevant theory in tourism industry workforce.

Topics: Aspects of the management of tourism organizations; Leadership in tourism industry; Management skill and knowledge for public tourism sector and private tourism industry.

TRSM6151 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Develop a research proposal and carry out stage by stage of research; Ranging from preparing the research proposal, find and process data, and presented in an academic paper by applying concepts, theories, and principles of tourism.

Topics: In accordance with the choice of each student.

TRSM6159 - ANTHROPOLOGY OF TRAVEL AND TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify various modes of tourist experience; Discuss about tourist motivation for travel; Discover difference approach to classifying tourist; Analyze possible effects of tourism on local people, local cultures and local environments.

Topics: Introduction to Anthropology of Travel and Tourism; The norms and values of international societies; Issues in the Anthropology of Tourism; Indigenous Culture as Resources.

TRSM6160 - TOURISM TRANSPORTATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify tourist transports; Describe modes of tourist transport; Discover new modes of tourist transport and management; Analyze impacts of tourist transports.

Topics: The tourist transport system: a framework for analysis; Contemporary issues in tourist transport in the twenty-first century; Competitiveness, transport and tourism: key relationships; E-travel and the transport and tourism sector; Managing tourist transport infrastructure; Transport and the environment.

TRSM6180 - HOSPITALITY KNOWLEDGE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the Hospitality and Tourism Context; Describe Types of Hospitality and Tourism industries and firms; Discover Resources, Capabilities, and Competencies for hospitality industries; Differentiate hospitality industries.

Topics: Introduction to Hospitality; Hospitality operating sectors; Hospitality Conceptual Development Process; The Role of the Hospitality in Tourism Industry.

TRSM6181 - TOURISM HERITAGE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify culture, history, and heritage; Explain how cultural, history and heritage become important factor for tourism; Interpret the culture, history, and heritage as tourism product; Examine how cultural, history and heritage contribute to tourism.

Topics: Introduction to tourism heritage; Protection of cultural and natural heritage; Introduction to the World Heritage Convention and its implementation; Defining outstanding universal value through changing criteria and concepts; Conserving and monitoring heritage sites; Tourism at World Heritage sites – sustainability.

TRSM6182 - DIGITAL MEDIA FOR TOURISM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the importance of digital technology for tourism business; Explain how tourism businesses can engage with digital technology; Discover influencing factors for the use of digital technology for sustainable tourism business; Analyze technological development implication to tourism.

Topics: Introduction to digital technology and sustainable tourism; Overview of the digital technologies for sustainable tourism; Digital technology-enabled sustainable destinations; Digital Technology-supported supply chain management for sustainable tourism; The value of social media to sustainable tourism.

TRSM6183 - TRAVEL BEHAVIOUR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify tourist different travel needs and motivation; Describe internal and external environmental stimuli for travel; Discover the influence of national culture on human behavior for travel; Differentiate variety of tourist travel behavior.

Topics: Basic needs of human behavior; Factors influencing human needs; The concept of tourist behavior; The nature of tourist behavior; The meaning of tourist behavior; Consumer buying behavior; The importance of studying tourist behavior; Cultural influences on tourist buying behavior.

TRSM6184 - TRAVEL INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify characteristics of travel industry; Recognize business opportunities in travel industry; Classify fundamental characteristics of service-based enterprises and specifically in travel industry; Analyze demand for tourist travel.

Topics: The special characteristics of travel industry; Understanding why people travel; Information technology and supply issues in travel industry; Trends in travel industry.

TRSM6185 - TOURISM INNOVATION AND PRODUCT DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify tourism industry related products; Describe the the complexity of entrepreneurial theory and practice applied to the tourism industry; Explain relationship between creativity and innovation; Discover ideas for tourism product and development.

Topics: Understanding the conceptual basis of tourism entrepreneurship; Building creative tourism supply; Idea generation; Creativity and Innovation in Tourism.

TRSM6186 - TOURISM FEASIBILITY STUDY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the need to make the tourism industry sustainable; Recognize the need for sustainable tourism operators to have business-plan skills; Apply financial forecasting; Design tourism business plan.

Topics: Modelling Destination Development; Create a Mission Statement; Conduct an External Review of the Environment; Conduct an Internal Review of Your Business; Assessing Impacts; Financial Analysis; Managing Business Risk.

TRSM6187 - TOURISM COMMUNITY EMPOWERMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the importance of community involvement in tourism development; Explain key aspects of community capacity that must exist for tourism developments; Measure community participation in tourism development; Identify critical role of social capital in community empowerment and sustainable tourism development.

Topics: Community Capacity Building; Enhancing the Economic Benefits of Tourism at the Local Level; Understanding How Tourism Can Bring Sociocultural Benefits to Destination Communities; Improving Community Knowledge of Tourism Development; Building Community capacity for Tourism Development.

TRSM6188 - THEMATIC TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define types of thematic tourism activities and its purposes; Describe the concept of each type of Thematic Tourism activities through direct or indirect exploration of tourist attraction; Discover the current trends of thematic tourism; Classify type of thematic tourism activities.

Topics: Characterising Tourist Destinations; Communicating the Destination Characteristics; Destination Image; Destination Choice; Conceptual Schemes.

3. BINUS UNIVERSITY INTERNATIONAL (BUI)

Vision

"A world-class knowledge institution in continuous pursuit of innovation and enterprise"

Mission

We are committed to developing people with the knowledge, skills, and attitudes attained by delivering international quality education and relevant research for the advancement of our stakeholders.

Pursuant to this mission, we are continuously aiming to:

- Meet stakeholders expectations
- Provide academic, professional and service excellence
- Promote high quality research
- Build strong corporate connections
- Gain international recognition and accreditations

Values

- **Strive for excellence**
We continuously do our best to achieve high quality results in every aspect of our work
- **Perseverance**
We stay calm, focused, never give up, and quickly recover in overcoming challenges
- **Integrity**
We are honest, transparent, sincere, and courageous in doing the right thing
- **Respect**
We value differences and contributions from every individual
- **Innovation**
We encourage creative, innovative, and sustainable ideas to continuously improve processes in order to achieve better results
- **Teamwork**
We believe in the importance of collaborative, effective, and trustful working relationships as one team

3.1 Introduction and Disclaimer

This catalog aims to help you make an informed decision about your studies.

We make every effort to ensure that programs and courses are offered as described, and that any unpublished changes enhance your learning opportunities. However, circumstances may occasionally make this impossible, and we therefore reserve the right to add, alter or withdraw particular programs or courses, to adjust the level of fees and to review and amend other areas, for example, arrangements for the provision of financial help.

3.2 History of BINUS UNIVERSITY INTERNATIONAL

In the year 2000, Yayasan BINA NUSANTARA (BINA NUSANTARA Foundation) decided to move the Graduate School to a new location. Within less than a year, the foundation acquired a piece of land and started construction of a new modern facility at Jalan Hang Lekir I No. 6, right in the middle of Jakarta's business district. The plan was that the new location should house not only the Graduate School, but also two new business units: BINUS UNIVERSITY INTERNATIONAL (International Undergraduate Program) and an adult continuing education program called the Executive Development Program.

Joseph Wibowo Center (JWC) for Advanced Learning

The first Executive Director of the new business unit suggested that the name of the building should be dedicated to Bapak Joseph Wibowo, the founder of Yayasan BINA NUSANTARA, who passed away in 2001; hence, the Joseph Wibowo Center for Advanced Learning became the third campus of the university.

In September 2001, BINUS UNIVERSITY INTERNATIONAL began its operations by launching its first program, Computer Science. Having started with only one partnership with an Australian university in 2001, BINUS UNIVERSITY INTERNATIONAL currently offers several programs to its students, all with streams, minors, dual degrees and partnerships with universities in Australia, Europe, Asia and New Zealand. BINUS UNIVERSITY INTERNATIONAL students can choose programs with single or dual degrees in the areas of International Accounting & Finance, Visual Communication Design, Fashion, Communication, Computer Science, Business Information Systems, as well as a fast track Master's program in Business or Commerce. In 2013, the JWC campus was extended to accommodate a growing body of students. The FX campus was then opened to complement teaching and learning activities in BINUS UNIVERSITY INTERNATIONAL.

3.3 Education System

3.3.1 Partners

BINUS UNIVERSITY INTERNATIONAL has a strong commitment towards providing quality education for all of our students. For our dual-degree students in particular, the learning experience may even extend beyond the walls of our campus and national borders. It is because of that commitment that BINUS UNIVERSITY INTERNATIONAL carefully selects its partners to ensure our students obtain the full benefit of having courses taught by our partners, and thereby acquire the second degree.

The quality of our partners has grown over the years and students can now choose to study in partners listed in the top 200 in the world, and have excellent international reputations. We are confident that our students will gain the benefit of the exposure to and experience of learning in a multi-cultural environment. We hope that from that experience our students will acquire not only the hard-skills needed to compete in the job market, but also the soft-skills, such as interpersonal skills in a culturally diverse environment - a necessary competency in this era of globalization.

Our partners at a glance:**1. Auckland University of Technology**

AUT is the youngest of the eight New Zealand universities and the only one to be founded in the 1960s. It is the third largest university in New Zealand and the fastest growing. Offering degrees from bachelor up to doctorate levels, AUT now has over 25,000 full time students including over 2,000 international students coming from 85 different countries. AUT provides close links with industry and the professions and as a result has the highest graduate employment rate of any New Zealand university.

BI program(s): Double degree in **Business Information Systems**, and **Computer Science**.

2. Cologne Business School

Founded in 1993, Cologne Business School (CBS) was one of the first schools in Germany to introduce a Bachelor of Arts degree in International Business. CBS is the business school of the European University of Applied Sciences (EUFH) Rhein/Erft, which was recently rated as one of Germany's top institutions of higher education in the area of business studies. CBS is officially accredited by the German authorities and in addition we received our bachelor program accreditation from the FIBAA (i.e. Foundation for International Business Administration Accreditation, the accreditation board for Germany, Austria and Switzerland).

BI program(s): Double degree in **Business Information Systems** and **International Accounting & Finance**.

3. Macquarie University

Macquarie University was established in 1964, with an aim to forge a bold new direction for Australian higher education, to explore new possibilities in teaching methods, research and technology, and to prepare students for success in a rapidly changing world. Now, over 40 years later, Macquarie is a thriving community of over 30,000 students—including 8,000 international students—located on 135 hectares of parkland, a 30 minute drive north-west of Sydney Harbor.

BI program(s): Master Track in **International Accounting & Finance** and **Business Information System**.

4. Northumbria University

With more than 50 years of history, Northumbria University has a well-earned reputation as one of the leading modern universities in the world and has been named 'UK's most IT-enabled organisation' at the Computing Awards for Excellence 2006. Moreover, School of Design at Northumbria University is one of the best design schools in Europe and Asia voted by US Business Week. Northumbria is rated "excellent" for its teaching quality and research. Its curriculum continuously evolves to embed new knowledge and respond to the changing needs of industry and the world we live in.

BI program(s): Double degree in **Graphic Design & New Media** (including Interactive Digital Media), **Fashion Design** (including Fashion Management), **Business Information Systems**, and **Communication**.

5. Queensland University of Technology

Queensland University of Technology (QUT) is a highly successful Australian university with an applied emphasis on courses and research. Based in Brisbane with a global outlook, it has 40,000 students, including 6000 from overseas. QUT aims to provide outstanding learning environments and programs that lead to excellent outcomes for graduates, enabling them to work in, and guide, a world characterized by increasing

change. Courses are in high demand and its graduate employment rate is well above the national average for Australian universities.

BI program(s): Double degree in **Business Information Systems**.

6. RMIT University

RMIT University offers a wide range of programs and study levels to give students the basis for a successful career and make the most of life's opportunities. RMIT offers high quality teaching and innovative learning experiences provided by expert lecturers. A wide range of facilities and the latest of technologies assist students to reach their utmost educational goals. From diploma to doctoral studies, RMIT's programs link theory with practice. Work placement or research in industry-linked projects is an integral part of the RMIT experience.

BI program(s): Double degree in **Computer Science**.

7. University of Nottingham

The University of Nottingham shares many of the characteristics of the world's great universities. However, Nottingham is distinct not only in its key strengths but in how its many strengths combine: the university is financially secure, campus-based and comprehensive; the university is research-led and recruit top students and staff from around the world; the university is committed to internationalize all its core activities so the students can have a valuable and enjoyable experience that prepares them well for the rest of their intellectual, professional and personal lives.

BI program(s): Double degree in **Computer Science**.

8. University of Wollongong

Established in 1951, the university has conferred more than 62,000 graduate degrees and diplomas since its foundation. The university has presently over 722 full-time academic and teaching staff; 21,000 enrolled students, of which 7,500 are international students (with 2,500 of those international students enrolled in UOW offshore locations in Singapore, Hong Kong, Malaysia and Dubai).

UOW was ranked as one the top 200 universities in the world published by QS Quacquarelli Symonds Limited.

BI program(s): Double degree in **Computer Science**.

9. Victoria University of Wellington

Over the past century, Victoria has established a proud international reputation for academic excellence in teaching and research across all faculties. The university teaches 21,000 students every year, including over 2,800 international students from 80 countries. It is a leading research center in a number of key areas including law, psychology, music, philosophy, literature, geophysics, human geography, logic and computation, biosciences, materials science, management, architecture, politics, international relations and IT. Victoria Business School (Faculty of Commerce) of VUW is among just 58 business schools worldwide that hold the 'Triple Crown' of international accreditations of EQUIS, AACSB (in business and accounting), and AMBA.

BI program(s): Double degree in and **International Accounting and Finance**.

Note: See the chapter related to Internationalization Program for more partners of Study Abroad and Student Exchange Program.

3.3.2 Method of Education Delivery

Modular Content with Problem-based Learning

Since 2010, BINUS UNIVERSITY INTERNATIONAL has used a Constructive Alignment approach that integrates the design of teaching, learning, and assessment at course and program levels. BUI implements modular content with problem-based learning (PBL) to speed up the process of student-centered learning in selected courses. The modular content refers to a collection of learning resources developed as a single learning object.

3+1 Curriculum

BINUS UNIVERSITY INTERNATIONAL has developed 3+1 curriculum system which refers to a three-year on-campus program at Bina Nusantara University and 1 year off-campus enrichment program (i.e. internship, research, entrepreneurship, community development, and study abroad). The main idea of this program is to reduce the gap between university and industry/society, and to achieve one of our quality objectives to have at least two out of three graduates become an entrepreneur or working at a global organization within six months of graduation.

English Language

To develop the quality of students to an international standard and to educate students in the language of international academia and global business, BINUS UNIVERSITY INTERNATIONAL uses English as the medium of communication, instruction, and assessment. Textbooks, class delivery, discussions, student presentations, quizzes, and all other forms of assessments including reports and theses are all in English.

To be accepted as a student of BINUS UNIVERSITY INTERNATIONAL, a potential student has to have a TOEFL score of at least 550 and a TWE score of at least 4.0 or their equivalents. If their TOEFL and/or TWE scores are below the requirement, students have to take a pre-session English course (English Plus Stage One) of 150 hours. BINUS UNIVERSITY INTERNATIONAL organizes these pre-session English classes especially to enhance the students' ability to deal with an international academic English environment. Students still having difficulty with English on entry are given further help by being enrolled in an English Plus Stage Two course which prepares them for late entry to Academic English I from semester 2.

Since BINUS UNIVERSITY INTERNATIONAL students study in an English only medium of instruction environment, the current policy of some of our partners is that our students can be accepted without having to go through an international English language test such as IELTS that would normally determine a student's acceptance by a partner university.

Semester Credit Unit (SCU)

The Semester Credit Unit (SCU) system is a way of organizing the teaching and learning in higher education programs as it indicates the academic weight of a course and describes the duration of each activity related to the teaching, learning, and assessment of a course in one semester of an academic year. The SCU system offers some degree of flexibility for students to design their pace of study. Some benefits of an SCU system are:

1. Give a possibility to students to complete their studies within a shorter-than-normal minimum duration of study.
2. Give an opportunity to students to choose courses according to their own interest, talent and capacity.
3. Facilitate the adaptation of curricula to meet with the rapid development of knowledge and technology.
4. Enable an optimal assessment of the students' learning outcomes at course level.

Credit Characteristics

In the SCU system, each course has a weight, that is, a credit value. The number of credit values for specific courses may differ. It is determined by the effort to finish the tasks presented in lecture programs, job training, practical work, and other tasks. In one semester, each course runs for 13 weeks. The weight of each course is measured in credit units. Students can graduate if they have achieved, among others, a minimum of 146 SCU.

One credit is made up of a weekly commitment of:

1. An academic hour of scheduled face-to-face learning in the classroom with an academic staff. This is defined as 50 minutes in BUI.
2. An academic hour of structured academic activity, which has been scheduled and planned by an academic staff (i.e. a lecturer), e.g. a review session or seminar.
3. An academic hour of independent academic activity such as reading, summarizing, working on papers, etc.

Collaborative Learning with Innopeda Curriculum

BINUS UNIVERSITY INTERNATIONAL is also committed to developing the students' skills in innovation and entrepreneurship. A new learning environment implemented in a curriculum called Innopeda (Innovation Pedagogy) has been specially designed to facilitate the development of these skills. It fosters collaborative learning experience well suited to the needs and characteristic of Gen-Y students. Teamwork skills, innovative idea generation, viable business solutions, and business startups are all the intended learning outcomes aiming to nurture new entrepreneurs at BINUS UNIVERSITY INTERNATIONAL.

The Innopeda curriculum is centered upon the hatchery courses, which enable students to hatch their innovative ideas into business solutions and startup such as Project Hatchery and Entrepreneurship Hatchery, which become mandatory courses for all BUI students in their early years. During the entrepreneurial enrichment track, Business Model Innovation and Sustainable Startup Creation are follow-up courses designed specifically with design thinking, customer development and lean startup methodology in a multi-discipline environment to stimulate and cultivate the students' entrepreneurial skills.

To support this collaborative and entrepreneurial learning environment, Center for Innovation, Design, Entrepreneurship and Research (CIDER) was established in 2015, which serves as a focal link between your entrepreneurial learning and entrepreneurial career. It develops the core competencies in innovation and entrepreneurship, identifies innovative products or services that have been developed by students, and assists them in commercializing those products and services. It also promotes entrepreneurial thinking and attitude among students by actively involving the students in entrepreneurship projects and providing outlets to exhibit them. The Innopeda curriculum and CIDER immerses students with an end-to-end experiential journey.

3.3.3 Examinations

Examinations, which are conducted by BINUS UNIVERSITY INTERNATIONAL, consist of course examinations and a thesis (or final project) examination.

Course Examination

The examination for the majority of courses consists of a mid-semester exam and a final exam. Both mid-semester exam and final exam are conducted once each semester. There are several courses in some programs that do not require students to sit in a mid-semester and/or a final examination.

Other than a mid-semester exam and a final exam, students will also be assessed using other measurements in accordance with the published assessment policy, which is defined in each syllabus of the courses.

A course syllabus will be published and a copy made available for each student no later than the second week of a teaching period. The syllabus will contain a notification of assessment requirements for the course as follows:

- a) Statements of all assessment items, including due dates;
- b) Procedures to be used in determining the final grade including, where appropriate, a statement of any item/s for which a pass is required in order to gain an overall pass in the course.

Thesis (Final Project)

Upon submitting the thesis report, students will be required to attend a thesis defense examination (viva voce), where students must conduct a presentation and/or demo in front of the examiner board. Normally, this defense exam will take one hour to complete.

The board of examiners consists of three members, and includes the students' supervisor and two independent examiners. The grade that will be assigned to the students will be the weighted average of the grades assigned by each examiner. Students will be assessed in the areas of effort, content, writing quality and delivery of the thesis presentation. The detailed policy and procedure regarding the thesis defense examination is contained in the Thesis Guidelines provided later.

3.3.4 Evaluation System

An approximate grade breakdown of the assessment items must be prescribed in the course syllabus. Subsequent changes must be approved by the relevant head of school.

The grading system which is in accordance with the purposes and goals of BINUS UNIVERSITY INTERNATIONAL is the Absolute Grading System. A letter summarizes the student's academic performance in a course in a single semester and over the duration of the student's enrolment in the course, and is grouped as follows:

Table of Grading System for BINUS UNIVERSITY INTERNATIONAL

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Distinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Distinction
B-	2.5	70 – 74	
C	2	65 – 69	Pass
D	1	50 – 64	Near Pass
E	0	0 – 49	Fail
F	0	-	Incomplete

3.3.5 Credit Load

In general, a full credit load in a single semester is between 18 and 24 units, depending on the course of study. The specific number of units may vary by semester within this range. Students with a high grade point average may petition the Head of the Programs in which they are enrolled for permission to overload.

At BINUS UNIVERSITY INTERNATIONAL, 1 credit equals to 36-48 hours/semester with 1 teaching hour consists of 50 minutes/week.

Study load in one semester can be determined by individual ability and by looking at the students' results from the last semester, which are measured by Semester Grade Point Average (IPS/GPS), or all of the semesters by Cumulative Grade Point Average (IPK/GPA).

Semester Grade Point Average (IPS/GPS) is counted as follow:

$$\text{GPS} = \frac{\sum (KN)}{\sum K} = \frac{\sum M}{\sum K}$$

Cumulative Grade Point Average (IPK/GPA) is counted as follow:

$$\text{GPA} = \frac{\sum M}{\sum L}$$

K = Number of credits taken in related semester

N = Weight of each subject taken

M = Conversion Value (K x N)

L = Number of pass credits

3.3.6 Acceptable Academic Performance

Standards of Academic Performance are published in the Student Handbook, available both online and from Student Services at the beginning of each academic year. In general, courses that are considered “core” courses in a major must be passed with the prescribed minimum grade.

For a definition of those courses considered “core” by each major, students can contact the Head of Program. Academic misconduct and the sanctions imposed for instances of misconduct are also defined in the student handbook.

3.4 Students Support Facilities

3.4.1 Academic Advisory

Students from BINUS UNIVERSITY INTERNATIONAL have the right to receive academic advisory from their Academic Advisor. The consultation may include academic advice, reports of academic achievements, information about results to their parents, and problem solving for academic problems that students experience during their study. The Academic Advisor also aims to motivate students either as individuals or as a group during class. The Academic advisor may advise the students of the courses they need to take or provide them with suggestions for a study plan.

Students are encouraged to schedule a meeting with their academic advisor (who is normally the appointed lecturer or their Head of Program), especially when they are planning their semester courses. Students should meet their academic advisor when they have academic difficulties in their study. It is very important that students seek academic help before their problems or difficulties become more serious and possibly jeopardize their success in studying.

3.4.2 English Language Services

English Language Services (ELS) is responsible for innovating, designing and maintaining programs, and promoting, supporting and resolving communication issues relating to the use of English at BINUS UNIVERSITY INTERNATIONAL. The English language programs and services for students include English Plus Stage One, English Plus Stage Two and Academic English courses, inter-class competitions, a language clinic, website, social networking accounts and a self-access center for students. In addition, ELS pursues contacts and develops programs and events with English language based entities. Consultation, training, translation, and proofreading for faculty and staff are also provided.

ELS is pursuing a vision of making BINUS UNIVERSITY INTERNATIONAL a campus of high quality international communication through continual exposure to and immersion in international academic, professional and general English, not only for faculty, staff, visitors, and resources but among students themselves. Students are also encouraged, in order to continually improve and update their English language ability, to make the most of facilities such as one-to-one consultation sessions with native speakers and expatriate English faculty in the daily English Language Clinic. They are also recommended to contribute extra-curricular involvement in BEST, the student English club responsible for one of the most successful national and soon to be regional high school and university English competitions called E-Com, or to BIPEDS, one of the finest English debate organizations in Indonesia with an

international reputation. Students will therefore be well prepared for, and feel at home in communicating in English in an international environment, thus smoothing the transition to studies overseas, and giving students a commanding edge.

3.4.3 Students, Alumni and Global Employability (SAGE)

BINUS UNIVERSITY INTERNATIONAL aims to provide students with opportunities to gain necessary knowledge, skills, and attitudes required in their future career through extra-curricular activities, as defined in the Student Development Program (SDP). The SDP is managed by the office of Students, Alumni and Global Employability (SAGE) which includes various soft-skills enrichment programs for the students, including the Freshmen Enrichment Program for new students. These activities enhance students' public speaking skills, presentation skills, as well as leadership and organizational skills through their participation in student committee and student club activities.

Some of our regular activities include:

1. **Career Seminar and Career Preparation Training.** Industry experts are invited to give motivation to students on how to build their future career, and what kind of skills that they will need for their career development after they graduated. BINUS UNIVERSITY INTERNATIONAL usually invites communicative and inspiring speakers to help students plan their career as early as possible.
2. **Campus Hiring and Recruitment.** Facilitating and assisting our companies' partner recruiting needs through our on-campus recruiting program and vacancy information distribution through student mail and website, in helping them to hire BINUS UNIVERSITY INTERNATIONAL graduates.
3. **Leadership Training.** BINUS UNIVERSITY INTERNATIONAL Leadership Training is an annual program aimed to increase the leadership skills of members and future members of student committee and student clubs. Trainings are normally conducted in an off-campus site and involving industry professional schemes, such as outbound and team-building programs.
4. **International Student Activities.** BINUS UNIVERSITY INTERNATIONAL student clubs and student committee regularly organize international activities – involving at least more than two countries as participants - where students can take part to enrich their international organizational skills. Among others is the Regional Youth Leadership Conference (RYLC). RYLC is BINUS UNIVERSITY INTERNATIONAL's annual flagship program. This student-led international event involves students from the regions in Indonesia and invites prominent speakers from around the world. The aim of the event is to create a movement and a community of global youth to induce change in a multi-cultural world.
5. **Student Mentoring.** The SAGE office also pays serious attention to students in need. To ensure that students with GPA < 2.0 are supported academically, Student Advisory assign mentors to help them with study sessions outside of regular classes.
6. **Buddy Coordinator.** The Freshmen Enrichment Program (FEP) is not just aimed to help new students in adapting to campus life, but it also provides an opportunity for senior students to develop their coaching and guiding abilities. Through the Buddy Coordinator program, senior students will be given soft skills training so they will be prepared in informally assisting new students in their first semester.
7. **Student Counseling.** In order for students to have a conducive study environment, they must also experience positive wellbeing. For personal problems that students feel the need to share in confidentiality, they can

discuss it with a counselor, particularly if that personal problem has any effect on their academic performance. Counseling sessions can be arranged conveniently between the student and counselor.

8. **Alumni Sharing.** BINUS UNIVERSITY INTERNATIONAL is very proud to have its alumni around the world and from various industries. SAGE office regularly conducts alumni sharing events with students through face-to-face meetings or teleconference events, especially with our alumni who work abroad.
9. **Alumni Development Program.** The Alumni Lifelong Learning Program is dedicated to the BINUS UNIVERSITY INTERNATIONAL alumni to give opportunities to widen their network and gain knowledge through annual gathering activities. This continuous support improves the quality of our graduates.

3.4.4 Center for Innovation, Design, Entrepreneurship and Research

Center for Innovation, Design, Entrepreneurship and Research (CIDER) was established to serve as a focal link between students' entrepreneurial learning and their entrepreneurial career. It maintains and develops the core competencies of entrepreneurship and ensures they are embedded implicitly or explicitly in academic programs at BINUS UNIVERSITY INTERNATIONAL. It identifies potential products or services that have been developed by students during their studies and assists them in commercializing those products and services. It advocates entrepreneurial thinking and attitudes among students by actively involving the students in entrepreneurial projects and providing outlets to exhibit them. It also builds a connection with similar centers at the international level both for benchmarking and collaboration purposes.

3.5 Programs

BINUS UNIVERSITY INTERNATIONAL bachelor degree programs aim to produce graduates who have:

1. A global mindset
2. Creativity and innovation
3. Real world knowledge application
4. Ethical, social and professional conduct
5. Entrepreneurial skills
6. Effective English communication
7. ICT skills

3.5.1 International Accounting & Finance

Introduction

The International Accounting & Finance program (IAF) provides its students with unerring knowledge and practical skills of Accounting within international and national contexts. The program is the first in Indonesia to adopt the International Financial Reporting Standards (IFRS) in all Financial Accounting teaching materials. The program is also the first and the only program of Accounting in Indonesia that has been granted the European Foundation for Management Development (EFMD) EPAS.

Program design, delivery and outputs of the program have been assessed and formally accredited to meet the EFMD EPAS international standards.

The program aims to develop both the professional and soft skills of the students. Teaching delivery within the program integrates teaching methods that build effective personal, social and ethical professional conduct. Team building within and across disciplines is a unique feature in BINUS UNIVERSITY INTERNATIONAL.

The program accommodated the need to develop teamwork and ICT (Information and Communication Technology) skills through courses embracing an innovative pedagogy approach. The approach is developed in check with the international lecturer community approach. Courses adopting the approach are, for example, Financial Accounting and Managerial Accounting Courses.

Vision

The International Accounting & Finance program strives to become a leading accounting program in SEA region acknowledged by national and international professional and academic bodies.

Mission

We are committed to developing people with the knowledge, skills, and attitudes attained by delivering international quality education and relevant research for the advancement of our stakeholders.

Pursuant to this mission, we are continuously aiming to:

1. Meet stakeholders expectations
2. Provide academic, professional and service excellence
3. Promote high quality research
4. Build strong corporate connections
5. Gain international recognition and accreditations

Program Objectives

The objectives of the program are:

1. To provide students with a solid foundation of technical knowledge ranging from fundamental principles to state-of-the-art accounting skills and abilities they will need in accounting & finance practice;
2. To prepare students for professional skills needed to carry out a role as a professional accountant and/or finance professional;

3. To equip students for professional values, ethics, and attitudes in order to perform a role as a professional accountant and/or a finance professional.
4. To demonstrate capabilities in creative and critical thinking which involves problem identification, generating ideas, and creating innovative solutions in order to improve current environment and practices.

Student Outcomes

Upon successful completion of this 4-year program, students are expected to be able to:

1. Prepare financial reports for business entities based on current Global Generally Accepted Accounting Principles (GGAAP).
2. Prepare management reports based on accounting knowledge to support planning, controlling, and decision-making.
3. Analyze financial statements, management reports, business and control risks and give the recommendation to improve effectiveness of entities' financial performance.
4. Organize audit field work in accordance to Global Generally Accepted Auditing Standard (GGAAS).
5. Analyze and give recommendations to improve the effectiveness of accounting information system.
6. Able to solve problems, make decisions, and exercise professional judgment as a professional accountant and/or finance professional (i.e., intellectual and interpersonal and communication skills).
7. Able to apply personal and organizational skills of a professional accountant/finance using resources available in working with or within an international and local organization.
8. Able to plan a critical assessment using knowledge and skills gained from experience appropriate for related circumstances (i.e., professional scepticism and professional judgment).
9. Able to identify any apparent ethical issues, implications, and conflicts in the work environment; and develop concerns for social responsibilities, public impact, and laws & regulations (i.e., ethical principles and commitment to the public interest).
10. Able to apply creative and critical thinking skills in solving accounting and finance issues in local and international context.
11. Able to use the information technology to support decision-making using the result of information technology analysis needs.

Prospective Career of the Graduates

Career opportunities in Accounting & Finance industries are increasingly the focus of the program. About 90% of the graduates have careers in the Big 4 international public accounting firms, multinational companies and national plus companies. Some choose to be entrepreneurs and build their own businesses.

The careers pursued are:

- | | |
|--|-------------------------------------|
| 1. Auditors | 6. Financial analysts |
| 2. Accountant | 7. Risk analysts/Credit controllers |
| 3. Management accountants/Cost accountants | 8. Bankers |
| 4. Management and Accounting consultants | 9. Entrepreneurs |
| 5. Tax planners/Tax accountants | |

The program encourages internships with an international context for students taking the single degree program in the International Accounting & Finance undergraduate program. Access to internships are also provided by the program for best students who meet BI regulations, and a special unit under the SAGE division of BINUS UNIVERSITY INTERNATIONAL. Further career supports are available through workshops and job fairs arranged by SAGE and BINUS UNIVERSITY. The support can be accessed from www.binuscareer.com.

Award/Degree

- *Sarjana Ekonomi* from BINUS UNIVERSITY, Jakarta
- Dual Degrees: *Sarjana Ekonomi* from BINUS UNIVERSITY and a Bachelor of Commerce from partner universities or *Sarjana Ekonomi* from BINUS UNIVERSITY and a Bachelor of Arts for the double degree program in Accounting & International Business
- Master track: *Sarjana Ekonomi* from BINUS UNIVERSITY and a Master of Commerce from partner universities

Major and Streaming

Streaming	Degree				Partners
	Single	Title	Double	Title	
Accounting & Finance			√	S.E. & B.Com.	University of New South Wales (UNSW), Australia
					Victoria University of Wellington (VUW), New Zealand
Accounting & International Business			√	S.E. & B.A.	Cologne Business School, Germany
Master Track				S.E. & M.Com, M.A.	Macquarie University, Australia IESEG, France
Accounting & Finance	√	S.E.			

Double Degree Program in Accounting & Finance

The Accounting & Finance double-degree streaming in Accounting & Finance is growing with more creditable partner universities from different countries. The streaming equips students with both general accounting and specific finance skills. The time spent in partner universities can vary depending on the scheme agreed with the partner universities. For example, Victoria University of Wellington (VUW) and University of New South Wales (UNSW) agreed to have students studying in New Zealand and Australia from the 5th to 8th semesters (4 semesters)*. The students will then return to Indonesia for their final project defense. The cumulative GPA for eligibility to embark is 3.00.

Double Degree Program in Accounting & International Business

This double-degree program is developed exclusively together with Cologne Business School (CBS), Germany. The mix between Accounting and International Business provides students with knowledge and skills in both areas. This double-degree program requires students to go to Cologne, Germany and study there for 2 semesters, starting from the 7th to the 8th semester. Students must complete their final projects while staying in Cologne. The cumulative GPA for eligibility before embarkation is 3.00. The remaining graduation requirements must be met as per the requirements applied in BINUS UNIVERSITY INTERNATIONAL.

Master Track

The master track offered is growing in terms of partner universities. The track offers students with Accounting and Management skills. Students taking the master track must finish their final projects in the 7th semester. The cumulative GPA for eligibility to embark is 3.00.

Teaching, Learning, and Assessment Strategy

The teaching and learning processes are conducted through lectures/tutorials, student centered learning, practical demonstrations/presentations and activities, completed with students' independent study. IAF students are expected to not only master accounting and financial issues, but also to enrich their capability in being exposed to real life and entrepreneurial skills. By having qualified lecturers and guest lecturers from professional industries, the students will be able to gain knowledge from both sides, i.e. theoretical and practical frameworks, through in-depth analysis of case studies, and individual/group work projects. For doing their research activities, students can access magazines, books, academic journals in a good quality library – including accessing the online library to get updated academic papers. All course-work are assessed through a variety of assessment tasks such as reports, presentations, assignments, individual and group projects, and thesis/final project report as well as mid-semester and final semester examinations. To further enrich our Bachelor studies experience we are providing the Enrichment Track in semester 6 or 7; students are able to choose from these options:

- a) Internship (Local/International)
- b) Entrepreneurship
- c) Community Development
- d) Research
- e) Study Abroad

A series of extra-curricular activities are compulsory in the International Business program. These activities will allow students to develop their social awareness, competitive and soft skills needed to be prepared for their future work environment.

In addition, innovation habits will be developed through course assessments that place emphasis on innovation and entrepreneurial skills. Project Hatchery and Entrepreneurship Hatchery are courses that reflect such competence designed by the Center of Innovation and Entrepreneurship in BINUS UNIVERSITY INTERNATIONAL. Students are required to translate their selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment process of several courses throughout the program.

Study Completion Requirements

To graduate from the program, all students must complete and pass all courses listed in the program and the chosen streaming. For example, the single-degree streaming in the program requires students to take 146 SCUs. The total SCUs include a mandatory final project that is worth 6 SCUs. The SCUs for elective courses are part of the total SCUs. Other graduation requirements are following the general requirements applied by BINUS UNIVERSITY INTERNATIONAL.

Course Structure

Courses applied to all Accounting & Finance students

Starting from September 2014, students will have a 3+1 curriculum for the single degree. The following are the courses:

Semester	Code	Course Name	SCU	Total
1	ACCT6242	Principles of Accounting	6	20
	ENGL6171	Academic English I	3	
	ENTR6091	Project Hatchery	2	
	MGMT6011	Introduction to Management & Business	4	
	CHAR6013	Character Building: <i>Pancasila</i>	2	
	ECON6028	Microeconomics	3	
2	ECON6081	Macroeconomics	2	21
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
	ACCT6293	Intermediate Accounting	8	
	ENGL6172	Academic English II	3	
	ACCT7141	Accounting Information Systems & Internal Control	4	
	BUSS6131	Ethics & Corporate Governance	2	
3	ACCT6292	Managerial Accounting	8	22
	FINC7047	Corporate Financial Management	4	
	ACCT6062	Financial Audit I	4	
	ENTR6486	Entrepreneurship Hatchery	3	
	CHAR6015	Character Building: <i>Agama</i>	2	
	LANG6061	Indonesian	1	
4	BUSS6119	Business Law and Taxation	8	23
	ACCT6063	Financial Audit II	4	
	MKTG6111	Marketing Management	2	
	MGMT6063	Strategic Management	2	
	STAT6122	Statistics Fundamentals for Business Studies	3	
	ACCT6083	Advanced Accounting	4	
5	ACCT6321	Theory and Research Methodology in Accounting & Finance	4	20
	FINC6142	Investment Analysis	4	
	BUSS6146	Business and Data Analytics	4	
	ACCT6059	Management Control Systems	2	
	ACCT6322	Fraud and Corruption Risk in Asia	4	
	MGMT6253	Corporate Sustainability	2	
6	RSCH6016	Seminar in Thesis	2	18
	Enrichment Program I		16	
7	Enrichment Program II		16	16
8	ACCT6168	Thesis	6	6
TOTAL CREDIT 146 SCU				

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Students will take one of the enrichment program tracks (off campus).

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1					v		v					
2					v			v				
3					v				v			
4					v					v		
5	v										v	
6		v									v	
7			v								v	
8				v							v	

Notes:

I : Internship

RS : Research

ENTR : Entrepreneurship

CD : Community Development

SA : Study Abroad

Other : Program's specific need

Note: Student can choose one of the available tracks.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program			16
ACCT6248	Industry Integrated Learning	8	
ACCT6307	Applied Interpersonal and Business Communication	4	
ACCT6308	Organizational and Managerial Practice	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program			16
RSCH6063	Research Exposure	8	
RSCH6249	Quantitative Analysis in Accounting and Finance	4	
RSCH6407	Research Ethics and Integrity	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program			16
ENTR6092	Business Model Innovation	8	
ENTR6096	Creative Business Planning	4	
ENTR6047	Managing Teams and Cultures	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program			16
CMDV6020	Community Development	8	
CMDV6239	Social and Environmental Responsibility Reporting	4	
CMDV6240	Organizational and Social Practice	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
Enrichment Program			16
GLOB6085	Elective Course for Study Abroad 1	4	
GLOB6086	Elective Course for Study Abroad 2	4	
GLOB6117	Elective Course for Study Abroad 3	2	
GLOB6046	Elective Course for Study Abroad 4	2	
GLOB6047	Elective Course for Study Abroad 5	2	
GLOB6048	Elective Course for Study Abroad 6	2	
GLOB6049	Elective Course for Study Abroad 7	2	
GLOB6050	Elective Course for Study Abroad 8	2	
GLOB6071	Elective Course for Study Abroad 9	6	

*) The elective courses for study abroad will be transferred to Binus University International's SCU systems based on credit transfer policies.

Double Degree in Accounting & Finance Stream

For those who are taking the Double Degree Scheme in Accounting & Finance, they will go in either the 5th to 8th semesters or 5th to 7th semesters, depending on the partner chosen for scheme. The rest of the courses will be the same as in the Single Degree. The following tables represent the options of majors that can be chosen from the respective partner universities.

Course Name	SCU
<i>International Business & Marketing Management – Victoria University of Wellington (2-year DD program)</i>	
<i>Option of majors:</i>	
Commercial Law	64
Economics	64
Human Resource Management and Industrial Relations	64
Management	64
Marketing	64
Accounting	64
Finance	64
Actuarial Science	64
International Business	64
Commercial Law	64
Public Policy	64
Taxation	64
Information Systems	64

Program	SCU
Commerce – The University of New South Wales, Australia (2-year DD program)	
Option of majors:	
International Business	64
Marketing	64
Human Resource Management	64
Management	64

Double Degree in Accounting & International Business

For those who are taking the Double Degree Scheme in Accounting & International Business, they will go in their 7th to 8th semesters.

Course Name	SCU
International Trade - Cologne Business School (1-year DD program)	
Introduction to International Trade	4
International Logistics	4
International Commercial Law	4
Economic Geography of Europe	4
Transnational Management	4
Foreign Language	8
Business Skills	4
E-Commerce	4
New Trends in International Trade	4
International Trade and Finance	4
Procurement	4
Bachelor Thesis Tutorial	4
Bachelor Thesis	6

Course Name	SCU
European Management - Cologne Business School (1-year DD program)	
European Economic History	4
Economic Geography of Europe	4
EU Law and Ins.	4
EU policies	4
Transnational Management	4
European Economic Issues	4
Procurement	4
Foreign Language	8
E-Commerce	4
New Trends in International Trade	4
Business Skills	4
Bachelor Thesis Tutorial	4
Bachelor Thesis	6

Course Name	SCU
<i>Financial Management - Cologne Business School (1-year DD program)</i>	
Financial Analysis	4
Integrative Case Study	4
Financial Markets and Institutions	4
Financial Instruments	4
Concepts of value and Risk	4
Applied Financial Management	4
Strategic Management	4
Foreign Language	8
European Business Culture	4
Ethical Aspects of Finance	4
Strategic Management in Banking and Finance	4
Business Simulation Game	4
Bachelor Thesis Tutorial	4
Bachelor Thesis	6

Single Degree in Accounting & Finance

Single degree, double degrees and master track programs start from the 5th/6th/7th semester. However, the registration for Double Degree, Single Degree and Master Track must be done in the second semester by the online registration system.

The choice between single degree and double degrees (including master track) should be made as early as the first year to ensure clear and proper study plan and professional designation preparations.

The Table of Prerequisite for International Accounting and Finance Program

Subject		SCU	Smt	Prerequisite		SCU	Smt
ACCT6293	Intermediate Accounting	8	2	ACCT6242	Principles of Accounting	6	1
ACCT6059	Management Control Systems	2	5	ACCT6292	Managerial Accounting	8	3
ECON6081	Macroeconomics	2	2	ECON6028	Microeconomics	3	1
ACCT6062	Financial Audit I	4	3	ACCT6293	Intermediate Accounting	8	2
ACCT6292	Managerial Accounting	8	3	ECON6028	Microeconomics	3	1
				ACCT6242	Principles of Accounting	6	1
MGMT6253	Corporate Sustainability	2	5	ACCT6292	Managerial Accounting	8	3
ACCT7141	Accounting Information Systems & Internal Control	4	2	ACCT6242	Principles of Accounting	6	1
ACCT6083	Advanced Accounting	4	4	ACCT6293	Intermediate Accounting	8	2
MKTG6111	Marketing Management	2	4	MGMT6011	Introduction to Management and Business	4	1
ACCT6063	Financial Audit II	4	4	ACCT6062	Financial Audit I	4	3
FINC6142	Investment Analysis	4	5	FINC7047	Corporate Financial Management	4	3
MGMT6063	Strategic Management	2	4	ACCT6292	Managerial Accounting	8	3

Subject		SCU	Smt	Prerequisite		SCU	Smt
ACCT6321	Theory and Research Methodology in Accounting & Finance	4	5	STAT6122	Statistics Fundamental for Business Studies	3	4
				ACCT6083	Advanced Accounting	4	4
				ACCT6292	Managerial Accounting	8	3
RSCH6016	Seminar in Thesis	2	6	ACCT6321	Theory and Research Methodology in Accounting & Finance	4	5
BUSS6119	Business Law and Taxation	8	4	ACCT6293	Intermediate Accounting	8	2
BUSS6146	Business and Data Analytics	4	5	STAT6122	Statistics Fundamental for Business Studies	3	4
ACCT6168	Thesis	6	8	ENGL6172	Academic English II	3	2
				ACCT6321	Theory and Research Methodology in Accounting & Finance	4	5
				RSCH6016	Seminar in Thesis	2	6

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6486	Entrepreneurship Hatchery	C
3.	ACCT6293	Intermediate Accounting	C
4.	ACCT6292	Managerial Accounting	C
5.	FINC7047	Corporate Financial Management	C
6.	ACCT6063	Financial Audit II	C
7.	BUSS6119	Business Law and Taxation	C
8.	ECON6028	Microeconomics	C

3.5.2 Graphic Design and New Media

Introduction

BINUS Northumbria School of Design (BNSD) is a concept result from intense collaborative efforts between BINUS UNIVERSITY INTERNATIONAL and Northumbria University, Newcastle, UK. It aspires to become the best design school in the region. Indonesia and ASEAN is currently one of the fastest growing regions in the world; and with that fast growth, we see a need for skilled professionals who are able to solve problems through design. One of the programs offered in BNSD is Graphic Design and New Media.

The Graphic Design and New Media Program offers a variety of opportunities in creative industry areas. It is for any student who wants to enhance their creativity and knowledge in the challenging competition of professional designers and global creative industry. It is a four-year study program, during which the foundation courses in art and design are offered in the first year program. In the following three years specific courses are provided to enhance students' skills in creative product development. In this program, the students will learn how to integrate technical skills and theoretical knowledge in art and design to meet industry standards.

This program also offers Interactive Digital Media streaming that integrates skills of visual design, experience design and new media design. Interactive Digital Media is more focusing on producing meaningful experience for people in new digital media such as web page, smart phone, UI devices and screen based interface design. Within for years our students will be having a lot experience in learning and practicing to produce their own project that will be related to current Digital Design Industry development. Graphic Design and New Media offers two streams: Graphic Design and Interactive Digital Media.

Vision

To become an international graphic design and new media design program, providing creative study environment in order to keep relevant with the changing needs of global industry and society.

Mission

To prepare future creative leaders in the area of graphic design and new media design through innovation, with a combination of industrial feasibility and development of local resources.

Program Objectives

1. To provide graduates with knowledge and understanding in conceptual design development, analysis and project design production.
2. To equip graduates with technical skills in IT towards creative design solution.
3. To complement graduates with effective communication skill in visual, verbal and written forms.
4. To provide graduates with leadership, management, entrepreneurship and professional ethics to be able to work globally.
5. To equip graduates with technical skills in IT towards creative design solution.

Student Outcomes

Upon successful completion of this 4-year program, students are expected to be able to:

1. Create visual and printed visual communication design work that has added value and aesthetics, to overcome identity problems, mass communication, and competition problems by stakeholders.
2. Conduct research and idea exploration to set the objectives, communication target, and DKV prototype solutions that can overcome identity problems, mass communication, and considering the ethical, history, cultural, social consequence and regulatory aspects.
3. Analyze level of material utilization efficiency and time in the production process of each selected alternative solution prototype of DKV, without changing the essence and aesthetic design.
4. Communicate DKV prototype alternative solutions independently or groups in verbal form, graphical, written, and communicative models with analog or digital techniques by selected appropriate communication rules.
5. Create a design project by implementing global perspective value for competing Internationally.
6. Compete globally in visual communication design area with soft skill needed.
7. Plan startup business model expertise on visual communication design area.
8. Utilize updated design technology needed that can improve organizational performance.

Prospective Career of the Graduates

1. Graphic Designer
2. Publication Design
3. Branding Consultant
4. Illustrator
5. Photographer
6. Web Designer
7. Television and Broadcast Studio
8. Corporate & Retail Industry
9. Government Institutions
10. Multimedia Designer
11. Motion Designer
12. Game Designer
13. UI/UX Designer
14. Game Artist

Award/Degree

- Sarjana Seni from BINUS UNIVERSITY with a Bachelor of Arts (Honours) from Northumbria University at New Castle, England.

Major and Streaming

Streaming	Degree				Partner
	Single	Title	Double	Title	
Graphic Design (3+1 NU)			√	S.Sn. & BA (Hons).	Northumbria
Interactive Digital Media (3+1 NU)			√	S.Sn. & BA (Hons).	Northumbria
Graphic Design (Dual Award)			√	S.Sn. & BA (Hons).	Northumbria
Interactive Digital Media (Dual Award)			√	S.Sn. & BA (Hons).	Northumbria

Title: S.Sn. (Sarjana Seni)

BA (Bachelor of Arts (Honours))

Graphic Design (3+1 NU) & Interactive Digital Media (3+1 NU)

In cooperation with Northumbria University, this program is designed to provide students with knowledge and practical skills to solve real world problems using design techniques. The students have the opportunity to broaden their horizons and experience by studying abroad at Northumbria University in UK on their last year of study. The students who take this program will receive both Sarjana and Bachelor of Arts degree upon completing their study. Both Graphic Design and Interactive Digital Media Stream will undertake a Graphic Design Major in Northumbria University.

Graphic Design (Dual Awards) & Interactive Digital Media (Dual Awards)

In cooperation with Northumbria University, this program provides students with knowledge, practical and creative skills in graphic design and/or interactive media. Students who would like to pursue careers in the rapidly expanding design culture are ideal for this program.

Study Completion Requirements**Major in Graphic Design and New Media**

To complete a major in Graphic Design and New Media at BINUS NORTHUMBRIA SCHOOL OF DESIGN, students must complete a minimum of 146 SCUs of academic credit.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ENGL6171	Academic English I	3	20
	DSGN6101	Design and Materials	4	
	DSGN7324	Computer Graphic I	3	
	DSGN6166	Eastern Art Review	3	
	DSGN6099	Drawing I	3	
	DSGN6098	Color Theory	4	
2	ENGL6172	Academic English II	3	20
	DSGN6165	Western Art Review	2	
	DSGN6390	Fundamental Principle of Design	4	
	DSGN6100	Drawing II	3	
	DSGN6104	Typography I	3	
	DSGN7132	Photography I	3	
	CHAR6013	Character Building: <i>Pancasila</i>	2	
3	Streaming: Graphic Design			21
	DSGN6391	Design Studies I	9	
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
	DSGN7326	Illustration Design	3	
	DSGN6548	Typography II	3	
	DSGN7133	Photography II	3	
	LANG6061	Indonesian	1	
	Streaming: Interactive Digital Media			21
	DSGN6394	Interactive Design Studies I	9	
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
	DSGN7326	Illustration Design	3	
	DSGN6549	Screen Design Development I	3	
	DSGN7133	Photography II	3	
	LANG6061	Indonesian	1	

Sem	Code	Course Name	SCU	Total
4	Streaming: Graphic Design			
	DSGN6392	Design Studies II	9	23
	CHAR6015	Character Building: <i>Agama</i>	2	
	DSGN6312	Multimedia I	4	
	DSGN6293	Audio Visual I	2	
	DSGN6323	Typography III	4	
	DSGN6287	Visual Communication Design Review	2	
	Streaming: Interactive Digital Media			
	DSGN6395	Interactive Design Studies II	9	22
	CHAR6015	Character Building: <i>Agama</i>	2	
	DSGN6230	Animation Studio I	3	
	DSGN6293	Audio Visual I	2	
	DSGN6190	Screen Design Development II	4	
	DSGN6287	Visual Communication Design Reviews	2	
5	Streaming: Graphic Design			
	DSGN6397	2D Animation Study	4	15
	DSGN6393	Design Studies III	6	
	DSGN6398	Design History Dissertation Research	2	
	DSGN6550	Audio Visual II	3	
	Streaming: Interactive Digital Media			
	DSGN6292	Animation Studio II	4	18
	DSGN6396	Interactive Design Studies III	6	
	DSGN6398	Design History Dissertation Research	2	
	DSGN6399	Kinetic Typography	3	
	DSGN6550	Audio Visual II	3	
6	Streaming: Graphic Design			
	DSGN6315	Pre-Press and Printing	3	15
	DSGN6400	Digital Advertising	4	
	ARTS6015	Aesthetic	2	
	DSGN6311	Internship	6	
	Streaming: Interactive Digital Media			
	DSGN6319	Sound Production	3	13
	DSGN6401	Experimental Design	2	
	ARTS6015	Aesthetic	2	
	DSGN6311	Internship	6	
	7	Enrichment Program I		
GLOB6206		Global Design Perspectives*	0	
8	Enrichment Program II		10	16
	GLOB6207	Advanced Creative Practice*	0	
	DSGN6562	Graphic Design Final Project	6	
TOTAL CREDIT 146 SCU				

*) Student applied in Dual Awards Program is mandatory to take this course (Conducted by Northumbria Lecturers)

Enrichment Program I (7th Semester) & Enrichment Program II (8th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Track Scheme

Track	Semester 7						Semester 8					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1		v						v				

Notes:

I : Internship

RS : Research

ENTR : Entrepreneurship

CD : Community Development

SA : Study Abroad

Other : Program's specific needs

Enrichment Research Track*

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6058	Design Idea Exploration I	8	
RSCH6059	Visual Research	4	
RSCH6060	Academic Design Research I	4	
Enrichment Program II			10
RSCH6061	Design Idea Exploration II	8	
RSCH6427	Design Rationale	2	

*For Dual Awards Program

The Table of Prerequisite for Graphic Design & New Media Program

Subject		SCU	Smt	Prerequisite		SCU	Smt
DSGN6100	Drawing II	3	2	DSGN6099	Drawing I	3	1
DSGN7133	Photography II	3	3	DSGN7132	Photography I	3	2
DSGN7326	Illustration Design	3	3	DSGN6100	Drawing II	3	2
DSGN6550	Audio Visual II	3	5	DSGN6293	Audio Visual I	2	4
DSGN6562	Graphic Design Final Project	6	8	DSGN6311	Internship	6	6
Streaming: Graphic Design							
DSGN6548	Typography II	3	3	DSGN6104	Typography I	3	2
DSGN6391	Design Studies I	9	3	DSGN7324	Computer Graphic I	3	1
DSGN6391	Design Studies I	9	3	DSGN6390	Fundamental Principle of Design	4	2
DSGN6392	Design Studies II	9	4	DSGN6391	Design Studies I	9	3
DSGN6397	2D Animation Study	4	5	DSGN6391	Design Studies I	9	3
DSGN6393	Design Studies III	6	5	DSGN6392	Design Studies II	9	4
DSGN6311	Internship	6	6	DSGN6393	Design Studies III	6	5

Subject		SCU	Smt	Prerequisite		SCU	Smt
Streaming: Interactive Digital Media							
DSGN6394	Interactive Design Studies I	9	3	DSGN6390	Fundamental Principle of Design	4	2
DSGN6549	Screen Design Development I	3	3	DSGN7324	Computer Graphic I	3	1
DSGN6395	Interactive Design Studies II	9	4	DSGN6394	Interactive Design Studies I	9	3
DSGN6190	Screen Design Development II	4	4	DSGN6549	Screen Design Development I	3	3
DSGN6396	Interactive Design Studies III	6	5	DSGN6395	Interactive Design Studies II	9	4
DSGN6292	Animation Studio II	4	5	DSGN6230	Animation Studio I	3	4
DSGN6401	Experimental Design	2	6	DSGN6396	Interactive Design Studies III	6	5
DSGN6311	Internship	6	6	DSGN6396	Interactive Design Studies III	6	5

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	DSGN6101	Design and Materials	C
3.	DSGN6099	Drawing I	C
4.	DSGN6390	Fundamental Principles of Design	C
5.	DSGN6550	Audio Visual II	C
6.	DSGN6398	Design History Dissertation Research	C
Streaming: Graphic Design			
7.	DSGN6392	Design Studies II	C
8.	DSGN6393	Design Studies III	C
Streaming: Interactive Digital Media			
7.	DSGN6395	Interactive Design Studies II	C
8.	DSGN6396	Interactive Design Studies III	C

3.5.3 Fashion Design

Introduction

BINUS Northumbria School of Design (BNSD) is a concept resulting from intense collaborative efforts between BINUS UNIVERSITY INTERNATIONAL and Northumbria University, Newcastle, UK. It aspires to become the best design school in the region. Indonesia and ASEAN is currently one of the fastest-growing regions in the world; and with that rapid growth, we see a need for skilled professionals who are able to solve problems through design.

To support effective teaching and learning activities, BINUS UNIVERSITY INTERNATIONAL provides excellent studio facilities, including garment production workrooms, a textile experiment room (batik, woven and knitting), computer labs, and a photographic studio.

The university collaborates with Northumbria University, Newcastle upon Tyne, UK, not only to enhance the quality of BINUS UNIVERSITY INTERNATIONAL Fashion Design program, but also to provide a double-degree program. Upon successfully completion of four years of study, graduates will obtain a *Sarjana Seni (S.Sn.)* and a Bachelor Degree of Fashion Design with Honours (BA-Hons).

Vision

To become an international product design program, providing a creative study environment in order to keep relevant with the changing needs of global industry and society.

Mission

1. To prepare future creative leaders in the area of product design through innovation combed with commercial feasibility.
2. Provide graduates with entrepreneurial skills and professionalism toward the global workplace.
3. Develop local resources to improve the life quality of Indonesians and the international community.

Program Objectives

The objectives of the Fashion Design program are:

1. To provide graduates with contextual knowledge and technical skills in order to formulate fashion design solutions responsive to industry.
2. To equip graduates with skills to utilize ICT applications and services required in the global fashion industry.
3. To equip graduates with effective communication skills.
4. To provide graduates with entrepreneurship skills and professional ethics to become socially aware and responsible fashion professionals.
5. To enhance graduates' capability in generating creative and innovative ideas within the fashion industry.

Student Outcomes

Upon successful completion of this four-year program, students are expected to be able to:

1. Demonstrate and apply the understanding of theoretical design concepts, history, culture, and contemporary issues in fashion industry.
2. Apply appropriate skills for ready-to-wear fashion production in pattern making, sewing, and fabric manipulation techniques while considering aspects of aesthetics, efficiency, and effectiveness.
3. Utilise relevant information technology and communication tools in adherence to work needs.
4. Demonstrate skills for working collaboratively and communicating effectively.
5. Apply concepts of management for business in fashion including the development of marketing and promotional strategies.
6. Evaluate product quality in relation to consumer, ergonomical, and environmental perspectives.
7. Identify problems in design and propose relevant, creative and innovative design solutions through research-based design approach.
8. Apply ethical and professional values in fashion.

Prospective Career of Graduates

A wide range of career opportunities in the fashion industry is introduced in which students will be prepared throughout the four years of study. The integrated curriculum is designed and developed to support students in building on their technical and non-technical skills as well as engaging with industry.

The Fashion Design program provides an internship program for each student where in the student may conduct real projects as a practical study within industrial contexts. The program develops the student's ability to be involved in professional practices, and ethical and organizational responsibilities. Furthermore, the industrial internship program provides students with real experience in the workplace and teaches them to cope with the demands of the work environment. In addition, a series of study/field trips to visiting professionals and industries will be conducted to give good grounds for having a broad overview of the industry. These experiences support individual career aspirations and may provide social and professional networks.

The graduates of the Fashion Design program are expected to be ready as designers for medium to mass production and manufacture, in response to various market levels. The graduates are also prepared to work for design consultancies, fashion styling, media communication, textile design, and trend forecasting consultancies.

In the Fashion Management stream where students focus on the knowledge of fashion business strategy and promotion, the graduates will be able to develop both creative products and business management skills. They will also be prepared to work in the retail industry, fashion trend forecasting consultancies, trend research companies, and media, advertising or public relations. BINUS UNIVERSITY INTERNATIONAL also provides career support for students by disseminating information on the latest job vacancies, internships, and workshops. This support service can be accessed from www.binuscareer.com

Award/Degree

- *Sarjana Seni* from BINUS UNIVERSITY and Bachelor of Fashion Design with Honours (BA-Hons) from Northumbria University, Newcastle upon Tyne, UK

Major and Streaming

Streaming	Degree				Partner
	Single	Title	Double	Title	
Fashion Design (3+1 NU)			√	S.Sn. & BA (Hons)	Northumbria
Fashion Management (3+1 NU)			√	S.Sn. & BA (Hons)	Northumbria
Fashion Design (Dual Award)			√	S.Sn. & BA (Hons)	Northumbria
Fashion Management (Dual Award)			√	S.Sn. & BA (Hons)	Northumbria

Title: *S.Sn.* (*Sarjana Seni*)

BA (*Bachelor of Arts (Honours)*)

Fashion Design

Fashion Design aims to challenge students to produce contemporary fashion through design research and critical thinking, with high craftsmanship that underpins garment making. It enables students to explore a range of materials, pattern cutting, aesthetics, printed fashion fabrics, woven fabrics and knitwear. The program will help students to build a personal philosophy and improve comprehensive skills through the drawing and illustration, pattern cutting, fabric manipulation, and trend research with the support of contextual fashion studies in response to commercial feasibility. Aware of career diversity in fashion, the program encourage students to pursue their own path in the fashion industry.

Fashion Management

Fashion Management streaming embraces both management skills and creative skills to grasp the creative industry of fashion, and equips graduates with creative expertise as well as business knowledge. Promotion, branding, visual communication skills, and product development are the main subjects to be developed in terms of preparing qualified and professional experts for the fashion industry. The Fashion Management stream enables students to have the ability to analyze market needs and forecast the trends in order to develop fashion products and services as well as to design a business strategy.

Teaching, Learning, and Assessment Strategy

The teaching and learning processes are conducted through lectures, tutorials, problem-based learning, study trips, guest lecturing from the industry, practical demonstrations and activities, studio teaching, with students' independent study required. It is the responsibility of the lecturer of a particular course to facilitate all students' learning on the course, who can be assisted by a teaching assistant, if necessary. By having qualified lecturers and guest lecturers from professional industries, the students will be able to gain knowledge from both sides, i.e. theoretical and practical frameworks, through in-depth analysis of case studies, studio works, and individual/group work projects.

Learning will be an exciting experience for students as they are provided with excellent facilities such as a production workroom, fabric lab, computer lab and photographic studio. With a good quality library, the students will be able to access books and magazines for information and research activities.

There will be no examinations for most courses. However, all course-work is assessed through a variety of assessment tasks such as reports, presentations, assignments, individual and group projects, reflective practice, peer assessment and thesis/final project report. The feedback of the assessment is given in the class/tutorial, embedded in the scoring rubric/assessment criteria sheet and/or separate feedback forms. The complexity of course content in design problem-solving methods is introduced at different levels of study. A final project work, portfolio, and the written report must be submitted in Year 4 (semester 8).

Study Completion Requirements***Major in Fashion Design***

To complete a major in Fashion Design at BINUS UNIVERSITY INTERNATIONAL, students must complete a minimum of 146 SCUs of academic credits, all of which are 142 SCU of mandatory courses and 4 SCU of elective courses.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	ENTR6091	Project Hatchery	2	20	
	FASH6059	History and Introduction to Fashion Studies I	3		
	FASH6060	Introduction to Fashion Skills I	6		
	FASH6061	Introduction to Fashion Design I	6		
	ENGL6171	Academic English I	3		
2	FASH6062	History and Introduction to Fashion Studies II	3	20	
	FASH6063	Introduction to Fashion Skill II	6		
	FASH6064	Introduction to Fashion Design II	6		
	ENGL6172	Academic English II	3		
	CHAR6013	Character Building: <i>Pancasila</i>	2		
3	Streaming: Fashion Design			20	
	FASH6082	Production I	6		
	FASH6115	Fashion Design I	4		
	FASH6066	Fashion Trend Forecasting I	3		
	FASH6016	Fashion Textile I	3		
	LANG6061	Indonesian	1		
	ENTR6486	Entrepreneurship Hatchery	3		
	Streaming: Fashion Management			22	
	FASH6067	Fashion Marketing I	6		
	FASH6016	Fashion Textile I	3		
	FASH6082	Production I	6		
	FASH6066	Fashion Trend Forecasting I	3		
	LANG6061	Indonesian	1		
	ENTR6486	Entrepreneurship Hatchery	3		
4	Streaming: Fashion Design			22	
	FASH6069	Fashion Trend Forecasting II	3		
	FASH6130	Fashion Design II	4		
	FASH6019	Fashion Textile II	3		
	ENTR6459	Entrepreneurship for Fashion	4		
	FASH6071	Production II	6		
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2		
	Streaming: Fashion Management				
	FASH6069	Fashion Trend Forecasting II	3		
	FASH6073	Fashion Marketing II	6		
	FASH6121	Fashion Retail Management I	3		
	FASH6013	Design Realization and Promotion I	4		
	FASH6068	Fashion Graphics and Promotion	4		
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2		
5	Streaming: Fashion Design			19	
	FASH6116	Fashion Design III	4		
	FASH6074	Production III	6		
	FASH6117	Fashion Textile III	3		
	CHAR6015	Character Building: <i>Agama</i>	2		
	FASH6080	Sustainable Fashion	4		

Sem	Code	Course Name	SCU	Total
5	Streaming: Fashion Management			17
	ENTR6459	Entrepreneurship for Fashion	4	
	FASH6027	Design Realization and Promotion II	4	
	FASH6123	Fashion Retail Management II	3	
	CHAR6015	Character Building: <i>Agama</i>	2	
	FASH6080	Sustainable Fashion	4	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
	GLOB6206	Global Design Perspectives*	0	
8	FASH6129	Final Project	6	13
	FASH6118	Project Report Writing	3	
	FASH6034	Fashion Portfolio	4	
	GLOB6207	Advanced Creative Practice*	0	
TOTAL CREDITS 146 SCU				

*) For students on the Dual Awards program it is mandatory to take this course (conducted by Northumbria lecturer)

**) Student has to choose one of the elective courses (each for 4 SCU)

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1	v							v				
2			v					v				

Notes:

I : Internship

RS : Research

ENTR : Entrepreneurship

CD : Community Development

SA : Study Abroad

Other : Program's specific needs

Enrichment Internship Track

Code	Course Name	SCU	Total
FASH6077	Industry Experiences	8	16
FASH6078	Reflective Practices	4	
FASH6079	Fashion Applied Skills	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Research Exposure	8	16
RSCH6073	Design Research	4	
RSCH6074	Market Research	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6092	Business Model Innovation	8	16
ENTR6096	Creative Business Planning	4	
ENTR6097	Managing Teams and Cultures	4	

The Table of Prerequisite for Fashion Design & Fashion Management Program

The Table of Prerequisite for Fashion Design & Fashion Management Program							
Subject		SCU	Smt	Pre-requisites		SCU	Smt
FASH6034	Fashion Portfolio	4	8		Enrichment Program II	16	7
FASH6129	Final Project	6	8		Enrichment Program II	16	7
Streaming: Fashion Design							
FASH6130	Fashion Design II	4	4	FASH6115	Fashion Design I	4	3
FASH6116	Fashion Design III	4	5	FASH6130	Fashion Design II	4	4
	Enrichment Program II	16	7	FASH6116	Fashion Design III	4	5
				ENTR6459	Entrepreneurship for Fashion	4	4
Streaming: Fashion Management							
FASH6073	Fashion Marketing II	6	4	FASH6067	Fashion Marketing I	6	3
	Enrichment Program II	16	7	ENTR6459	Entrepreneurship for Fashion	4	5

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6486	Entrepreneurship Hatchery	C
3.	FASH6064	Introduction to Fashion Design II	C
4.	FASH6016	Fashion Textile I	C
5.	FASH6034	Fashion Portfolio	C
6.	ENTR6459	Entrepreneurship for Fashion	C
Streaming: Fashion Design			
7.	FASH6116	Fashion Design III	C
8.	FASH6117	Fashion Textile III	C
Streaming: Fashion Management			
7.	FASH6073	Fashion Marketing II	C
8.	FASH6027	Design Realization and Promotion II	C

3.5.4 Communication

Introduction

The Bachelor program in Communication at BINUS UNIVERSITY INTERNATIONAL offers three streamings: Journalism, Public Relations, and Entertainment Communications. The program provides an extensive knowledge of digital and non-digital communication skills, practices, and technologies as an integral part of creating an efficient message to the target audience in an expanding new media, as well as social, cultural, and ethical knowledge to create responsible communication methods. The program works closely with some of the most prominent companies in their fields, partnering with local and international organizations, to offer students maximal exposure to a real work environment. Students will receive extensive opportunities to develop their presentation and consultancy skills and gradually become increasingly exposed to partner organizations. Additionally to cooperate communications, students will also be able to explore the creative arts surrounding the entertainment business.

The program is completed over the course of four years, during which basic communication skills courses are offered in the first year. During the first year, all students will have a multitude of opportunities to meet industry specialists from Public Relations, Journalism, or the Entertainment business. They will have the opportunity to explore a variety of businesses and creative work spaces, in order to orient themselves in their industry and their prospective job choices. Students' works will serve as their future portfolios and be showcased across a variety of social media, with the aim to gain prominence and a community following in their field of interest. In the following three years, students will build on their prior knowledge to develop creative, critical, and contextual thinking, as well as social, cultural, and media business knowledge.

With our flexible 3+1 program, students from their 6th semester onwards will have the option to choose from our enrichment study tracks conducted outside of campus, to immerse in a 'real world' study experience. Options include study abroad, internship, community development, research and entrepreneurship.

Vision

BINUS UNIVERSITY INTERNATIONAL's Communication Program strives to create the most prominent students in their field in Asia, producing innovative and creative leaders in this fast growing industry worldwide.

Mission

Communication program endeavours to educate creative, innovative and passionate student from diverse background by providing international quality education and internship in order to generate highly level skilled communication specialist for various communication position in the industry.

Program Objectives

The objectives of this program are:

1. Analytical expertise

Each student should be able to analyse, apply, organize and explain different forms and elements in the media industry.

2. Effective Communicator

Each student should be able to produce journalism piece in all forms (print, online, broadcast) and speak confidently in front of public.

3. Innovative and Creative

Each student should be able to develop new ideas and be creative in producing work in the media industry.

4. Adaptable to new technologies

Each student should be able to apply new technologies in media.

Student Outcomes

Upon completion of the 4-year program, students should be able to:

1. Analyze cases in communication in order to provide a solution with the communication science approach.
2. Conduct communications research by implementing the theories and concepts of communication science.
3. Design solutions in communication science approach in order to deal with crisis communication both internally, externally, or community using a various media.
4. Demonstrate professional ethics of communication that appropriate with the context and relevant purposes.
5. Demonstrate the leadership skills and teamwork in media industry.
6. Execute innovative and creative ideas efficiently through strategic collaborative partnership within the media industry.
7. Apply new technologies in media industry.

Prospective Careers for Graduates

A wide range of career opportunities in the media industry are introduced, in which students will be prepared throughout their four years of study. Many graduates have received jobs in prominent publishing agencies, often securing their positions already during their internship periods, or being employed within the first three months after graduation. Even in the first year of study, students will have weekly guest speakers, many of whom are prominent in the Public Relations, Journalism, or Entertainment industries. The integrated curriculum is designed and developed to support students in building on their knowledge in communication theories as well as the practice of communication while keeping engaged in the expanding media and communication industry.

Most of all, the first year of study is designed for students to be exposed to such a large number of guests and a variety of locations, so consequently students can form opinions about what their future careers might be, early on. Assignments are generally designed to mimic real life work projects and prepare students to network, pitch, and consult confidently in their chosen disciplines.

The program develops the students' ability to be involved in professional practices, and possess ethical and organizational responsibilities. The course provides students with real projects from the Media and Communications industry which teaches them to cope with their future work environment. In addition, a series of study/field trips to visit professionals and industries will be conducted to give good grounds for having a broad overview of the industry. These experiences support individual career aspirations and may provide social and professional networks.

The graduates of the Communication Program are expected to be ready to work in the media, or gain positions in corporate or entrepreneurial public relations and entertainment industries. The graduates will be able to work for television, radio, Internet news agencies, public relations, and advertising agencies. BINUS UNIVERSITY INTERNATIONAL also provides career support for students by disseminating information on the latest job vacancies, internships, and workshops. This support service can be accessed from www.binuscareer.com.

Awards/Degree

- *Sarjana Ilmu Komunikasi* (S.Ikom. – Bachelor of Communication)
- Bachelor Degree from a partner university

Major and Stream

Study Program	Degree				Partner
	Single	Title	Double	Title	
Journalism	√	S.Ikom.	√	S.Ikom. & BA. (HONS)	Northumbria
Public Relations	√	S.Ikom.	√	S.Ikom. & BA. (HONS)	Northumbria
Entertainment Communications	√	S.Ikom.	√	S.Ikom. & BA. (HONS)	Northumbria

Title: S.Ikom. (Sarjana Ilmu Komunikasi)

B.A (Hons) (Bachelor of Arts (Honors))

The three programs provide an extensive knowledge of communication theories, practices, and technologies in the growing media industries. We focus on student-centered learning to explore students' individual potentials. The students will be taught by leading names in media and communications. They will also have the opportunity to collaborate with industry professionals in journalism, public relations, and entertainment fields. Students will develop skills that they can use in the media industries or elsewhere. Our recent graduates are now working as journalists in television, in print and online media, as PR and advertising practitioners, as communication consultants, as photographers, as social media strategists, and as entrepreneurs.

Journalism

The program provides theories and practices in all aspects of journalism: writing, interviewing, reporting, editing, broadcasting, basic photography, and videography. The students who take this program will receive a Bachelor's Degree upon completing their studies in the Journalism stream.

Public Relations

The program provides theories and practices in all aspects of public relations; writing for public relations, creating campaigns and projects, and conveying messages to the public. Students who take this program will receive a Bachelor's Degree upon completing their study in the Public Relations stream.

Entertainment Communications

The program provides theories and practices in all aspects of entertainment communications: planning and creating events, writing for the entertainment industry, and doing event promotions. The students who take this program will receive a Bachelor's Degree upon completing their study in the Entertainment Communications stream.

Teaching, Learning, and Assessment Strategies

The teaching and learning processes are conducted through creative lectures, which encompass creating real life projects (such as working on consultancy problems for real companies), practical demonstrations and workshops by industry experts, as well as field trips and public presentations. Assignments are in many cases produced by using write-ups, as well as audio tapes and self-produced videos, which will be posted to a variety of social media platforms. The program relies heavily on teamwork between students and often other programs, requiring students to mimic real life work environments. Some of the assignments may be evaluated partially through peer assessments.

It is the responsibility of the lecturer of a particular course to facilitate all students' learning in the course, which can be assisted by a tutor, if necessary. By having qualified lecturers and guest lecturers from the industries, the students will be able to gain knowledge from both sides, i.e. theoretical and practical frameworks, through an in-depth analysis of communication studies, studio works, and individual/group work projects.

Learning will be an exciting experience for students as they are provided with excellent facilities, such as a state of the art auditorium, screening room, and editing lab facilities. With our supporting entrepreneurial and research divisions, the students will be able to have access to personalized mentorships by professionals related to their fields of interest.

Much of the course-work is assessed through a variety of assessment tasks such as reports, presentations, assignments, examinations, individual and group projects, and the final thesis. The feedback of a given assessment is given in the class/tutorial, embedded in the scoring rubric/assessment criteria sheet, and/or separate feedback forms. The complexity of the course content in designing problem-solving methods is introduced at different levels of the students' studies.

Study Completion Requirements

Students are expected to part-take in our internationalization activities before graduation. As part of the BINUS Community, students will also need to invest some of their time to community work, as well as industrial exposure. A written thesis report must be submitted in the 4th year of study (semester 8).

Major in Graphic Design and New Media

To complete a major in Communication at BINUS UNIVERSITY INTERNATIONAL, students must complete a minimum of 146 SCUs (academic credits).

Course Structure

Sem	Code	Course Name	SCU	Total
1	ENGL6171	Academic English I	3	20
	ENTR6091	Project Hatchery	2	
	COMM6100	Introduction to Communication Science	4	
	COMM6451	Photography and Basic Videography	3	
	COMM6389	Public Speaking	4	
	COMM6386	Writing Fundamentals	4	

Sem	Code	Course Name	SCU	Total
2	ENGL6172	Academic English II	3	20
	COMM6382	Introduction to Sociology	2	
	COMM6012	Theory of Communication	4	
	COMM6452	Introduction to Journalism & Interview Technique	3	
	COMM6384	Introduction to Politics	2	
	COMM6385	Interpersonal Communication	4	
	COMM6388	Contemporary Writing	2	
3	CHAR6013	Character Building: <i>Pancasila</i>	2	23
	ENTR6486	Entrepreneurship Hatchery	3	
	COMM8108	Psychology of Communication	2	
	COMM6453	Introduction to PR and Creative Advertising	4	
	COMM6390	Workplace Ethics & Behavior	4	
	COMM6099	Intercultural Communication	4	
	COMM6129	Organizational Communication	4	
4	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	22
	COMM6383	Philosophy and Ethics of Communication	2	
	COMM6019	Public Opinion	2	
	COMM6387	Social Design Thinking	4	
	COMM6014	Theory of Mass Communication	4	
	LANG6030	Indonesian	4	
	RSCH6008	Quantitative & Qualitative Research Methods in Communication Context	4	
5	CHAR6015	Character Building: <i>Agama</i>	2	23
	RSCH6067	Mass Communication Research Methods	2	
	ENTR6095	Media Business and Entrepreneurship	4	
	Stream: Journalism			
	COMM6247	Broadcast Journalism and Reporting	6	
	COMM6248	New Media & Newsroom Management	6	
	COMM6172	Investigative Journalism	3	
	Stream: Public Relations			
	COMM6449	Creative Agency Industry	3	
	COMM6251	Crisis Communication and Media Relations	6	
	COMM6252	Public Relations Publication	6	
	Stream: Entertainment Communication			
	COMM6399	Entertainment Networking and Negotiation	6	
	COMM6254	Design & Promotion	6	
	COMM6450	Social Media Content Strategies and Analytics	3	
6	Enrichment Program II		16	16
7	Enrichment Program II		16	16
8	COMM6188	Thesis	6	6
TOTAL CREDITS 146 SCU				

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Students will take one of the enrichment program tracks (off campus).

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1				v			v					
2				v							v	
3				v				v				
4	v									v		
5	v										v	
6	v							v				
7					v		v					
8					v					v		
9					v			v				
10		v					v					
11		v								v		
12		v									v	
13			v						v			

Note:

I : Internship
 RS : Research
 ENTR : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 Other : Program's specific needs

Note:

Students can choose one of the existing tracks.

Enrichment Internship Track

Code	Course Name	SCU	Total
COMM6256	Media Industry	8	16
COMM6257	Communication and New Technology	4	
COMM6258	Event and Networking Management	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Research Exposure	8	16
RSCH6253	Communication Research in Media	4	
RSCH6254	Scientific Writing in Communication	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6092	Business Model Innovation	8	
ENTR6096	Creative Business Planning	4	
ENTR6097	Managing Team and Cultures	4	

Code	Course Name	SCU	Total
Enrichment Program II			16
ENTR6093	Sustainable Startup Creation	8	
ENTR6098	Business Networking	4	
ENTR6099	Business Story Telling	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6020	Community Development	8	16
COMM6260	Cultural Studies	4	
COMM6242	Digital Publication	4	

Enrichment Study Abroad Track*

Course Name	SCU	Total
GLOB6085	Elective Course for Study Abroad 1	16
GLOB6086	Elective Course for Study Abroad 2	
GLOB6087	Elective Course for Study Abroad 3	
GLOB6088	Elective Course for Study Abroad 4	
GLOB6047	Elective Course for Study Abroad 5	
GLOB6048	Elective Course for Study Abroad 6	
GLOB6049	Elective Course for Study Abroad 7	
GLOB6050	Elective Course for Study Abroad 8	
GLOB6051	Elective Course for Study Abroad 9	
GLOB6052	Elective Course for Study Abroad 10	
GLOB6053	Elective Course for Study Abroad 11	
GLOB6054	Elective Course for Study Abroad 12	

*) The elective courses for study abroad will be transferred to Binus University International's SCU systems based on credit transfer policies.

The Table of Prerequisite Courses for Communication Program

Subject		SCU	Smt	Prerequisite		SCU	Smt
COMM6099	Intercultural Communication	4	3	COMM6100	Introduction to Communication Science	4	1
RSCH6067	Mass Communication Research Methods	2	5	RSCH6008	Quantitative and Qualitative Research Methods in Communication Context	4	4
COMM6247	Broadcast Journalism and Reporting	6	5	COMM6452	Introduction to Journalism & Interview Technique	3	2
COMM6248	New Media and Newsroom Management	6	5	COMM6452	Introduction to Journalism & Interview Technique	3	2
LANG6030	Indonesian	4	4	COMM6452	Introduction to Journalism & Interview Technique	3	2
COMM6172	Investigative Journalism	3	5	COMM6452	Introduction to Journalism & Interview Technique	3	2

Subject		SCU	Smt	Prerequisite		SCU	Smt
COMM6251	Crisis Communication and Media Relations	6	5	COMM6453	Introduction to PR & Creative Advertising	4	3
COMM6252	Public Relations Publication	6	5	COMM6453	Introduction to PR & Creative Advertising	4	3

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6486	Entrepreneurship Hatchery	C
3.	COMM6389	Public Speaking	B
4.	COMM6012	Theory of Communication	B
5.	COMM6388	Contemporary Writing	B
6.	COMM6390	Workplace Ethics and Behavior	B
Journalism			
7.	COMM6172	Investigative Journalism	C
8.	COMM6247	Broadcast Journalism and Reporting	C
Stream: Public Relations			
7.	COMM6251	Crisis Communication and Media Relations	C
8.	COMM6252	Public Relations Publication	C
Stream: Entertainment Communication			
7.	COMM6399	Entertainment Networking and Negotiation	C
8.	COMM6254	Design and Promotion	C

3.5.5 Computer Science

Introduction

In this fast-moving era, Computer Science (CS) has gone beyond the simple use of computer software. With the third wave of computing (pervasive computing), the most recent advancement in the computing and technology field, graduates need the ability to understand, create, and support applied computing solutions for their own businesses, their clients, or their employers. This program encourages and challenges students in the areas of:

- General CS, and
- Pervasive Games Technology

In becoming familiar with a broad range of information technologies and how they are used, the students develop the ability to specify and manage the implementation of a wide range of applications to support various needs and the ability to design, develop, and implement viable technological solutions using appropriate platforms, tools, and techniques. The program provides the students with the technical, entrepreneurial, and specialized skills needed to develop and design applications across modern platforms, such as Cloud, the Web, and mobile, in a rapidly changing IT environment.

The Computer Science program has an “A” grade accreditation - the highest level of accreditation that can be given to a private higher education program in Indonesia - and it is designed to provide graduates with a thorough understanding of the theories, methods, and systems used by the computing industry. It produces graduates who are knowledgeable and creative, who have excellent programming skills, who are capable of designing, implementing, and maintaining innovative software systems, and who are readily adaptable to new advances in the rapidly changing IT environment. The program provides double degree and intensive specialist courses in interesting computing areas such as:

- Pervasive Software Engineering
- Cloud and Distributed Systems
- Multimedia and Human Computer Interaction
- Web Application Development and Computer Security
- Computer Networks and Security
- Ethical Hacking and Penetration Testing
- Games Design and Programming
- Advanced Games Design and Programming
- Technopreneurship
- Intelligent Systems
- Data Science
- Computer Graphics
- Network Forensics

Students experience a vast range of innovative learning processes, from blended learning to experiential; student centered, flipped classroom, and Hackerspace/Makerspace. Students get the opportunity to be future entrepreneurs by getting engaged in a series of entrepreneurial courses (Project Hatchery and Entrepreneurship Hatchery), which focus on technology and provide them the necessary skills and knowledge to create and market their work.

The curriculum also provides a scheme and platform whereby through the 3+1 program, students may choose from creating a startup company, internship, research, or community development work that is suitable for their future goals in the final year of their studies. Students benefit from having an internationally recognized curriculum in an internationally diverse environment, get an opportunity to work on international projects, and attain professional certifications in major areas of the IT industry that will enable them to be successful in their careers.

Vision

To become a leading and world class Computer Science school, which is reputable and excellent in teaching and research, in order to keep relevant with the needs of the global industry and society.

Mission

1. Educate students from diverse backgrounds with relevant knowledge and skills for the society by providing computer science courses and internships.
2. Prepare graduates to become smart and good IT leaders, innovators, and entrepreneurs in global industries, as well as prepare them for advanced studies.
3. Build strong connections with international academic and non-academic partners and global corporations.

Program Objectives

The objectives of the program are:

1. To produce reputable professionals with the skills to develop creative and impactful software products and services, including but not limited to computer networks and security and games technology.
2. To produce reputable professionals with a solid foundation of mathematics, algorithms, and principles related to computing that will be needed in problem-solving practice.
3. To equip graduates with communication skills and utilize the latest trends in technology to contribute to the global workplace.
4. To produce reputable professionals with the skills to design and implement various computer networking environments using different security techniques and routing theories to produce secure and robust networks.
5. To produce reputable professionals with the skills to design and develop game applications by combining technology with creative art and design concepts to produce an exceptional game application that is able to run on multi-platform environments.
6. To equip graduates with six key skills (self-management, planning and organizing, teamwork, problem-solving, decision-making, initiative, and enterprise), adept knowledge and use of a foreign language as well as using information technology and to be of value in the workplace and society.

Student Outcomes

After successful completion of the four-year program, students are expected to be able to:

1. Create software application design with the implementation of database system principal design to solve structured and semi-structured data.
2. Design software application solution based on problem analysis which can be solved with structured approach in informatics area.
3. Assess technology trend in informatics area to deliver alternative solution of software development.
4. Develop creative and impactful software products and services, including but not limited to computer networks and security and games technology.
5. Apply principles related to computing that is needed in problem solving practice.
6. Communicate and utilize the latest trend in technology to contribute in the global workforce.
7. Acquire skills and knowledge needed to design and implement various computer networking environments using different security techniques and routing theories to produce secured and robust networks.
8. Acquire the necessary skills to design and develop game applications by combining technology with creative art and design concepts to produce an exceptional game application that is able to run in multi-platform environments.
9. Apply the 6 key skills (self-management, planning and organizing, team work, problem solving, decision making, initiative and enterprise) and a foreign language as well as using information technology and to be a useful in the workplace and society.

Prospective Careers of the Graduates

Computer Science graduates are in a position to gain employment as computing professionals in a number of fields, such as systems analysis and design, software engineering, applications software development (enterprise and mobile), network computing (forensics and security), and multimedia production, including graphics, animation, and

games. Graduates may join commercial organizations, government institutions, financial institutions, telecommunications companies, IT companies, or other organizations. The career opportunities are unlimited for Computer Science graduates.

A wide range of career opportunities in IT and the computer industry are introduced in which students will be prepared throughout the four years of study. The integrated curriculum is designed and developed to support students in building on their technical and non-technical skills as well as engaging with the industry. Typical starting career positions include:

- Web developer
- Software engineer
- Network administrator
- Computer security professional
- Multimedia systems developer
- Games developer
- Technical artist
- Database developer
- IT sales engineer
- Data Scientist
- Business application developer
- IT project planner

Since computer science graduates are considered as engineers, they are also able to obtain employment as professionals in non-IT fields, including sales, marketing, and management. Thus, the career opportunities are unlimited for computer science graduates.

The single-degree program streams provide an internship program for each student, wherein the student may conduct real projects as a practical study within an industrial context. The program develops the student's ability to be involved in professional practices, and ethical and organizational responsibilities. Furthermore, the industrial internship program provides students with real experience in the workplace and teaches them to cope with the work environment. In addition, a series of study/field trips to visiting professionals and industries will be conducted to give good grounds for having a broad overview of the industry. These experiences support individual career aspirations and may provide social and professional networks.

BINUS UNIVERSITY INTERNATIONAL also provides career support for students by disseminating information on the latest job vacancies, internships, and workshops. This support service can be accessed at: www.binuscareer.com.

Award/Degree

- *Sarjana Komputer* from BINUS UNIVERSITY
- Double Degree with Bachelor of Information Technology from RMIT University at Melbourne, Australia

- Double Degree with Bachelor of Computer Science from the University of Wollongong at New South Wales, Australia
- Double Degree with Bachelor of Science (Hons.) from the University of Nottingham, United Kingdom
- Double Degree with Bachelor in Computer and Information Sciences from Auckland University of Technology

Major and Stream

Stream	Degree				Partner
	Single	Title	Double	Title	
Computer Science	√	S.Kom.			
Pervasive Games Technology	√	S.Kom.			
Computer Science			√	S.Kom. & B.Info.Tech	RMIT
Computer Science			√	S.Kom. & B.Comp.Sc.	Wollongong
Computer Science			√	S.Kom. & B.Sc. (Hons)	Nottingham
Computer Science with Software Engineering			√	S.Kom. & B.Sc. (Hons)	Nottingham
Computer Science with Artificial Intelligence			√	S.Kom. & B.Sc. (Hons)	Nottingham
Computer and Information Sciences			√	S.Kom. & B.C.I.S.	AUT

Title: S.Kom. (Sarjana Komputer)

B.Sc. (Hons) (Bachelor of Science (Honors))

B.Info.Tech (Bachelor of Information Technology)

B.Comp.Sc.(Bachelor of Computer Science)

B.C.I.S. (Bachelor in Computer and Information Sciences)

Double Degree in Computer Science

In cooperation with the University of Wollongong (UoW), this double-degree program is designed to provide students with knowledge and practical skills to solve real-world problems using computers. The students have the opportunity to broaden their horizons and experiences by studying abroad at the University of Wollongong in Australia. The students who take the double-degree program at the University of Wollongong will receive S.Kom. and B.Comp.Sc. degrees at the end of the program. The available majors at the University of Wollongong include Digital Systems Security, Multimedia and Game Development, Enterprise Systems, and Software Engineering. Students who would like to pursue careers in the IT industry and business in general are the ideal candidates for this program.

Double Degree in Computer Science (Honors)

In cooperation with the University of Nottingham, this double-degree program is designed to provide students with knowledge and practical skills to solve real world problems using computers. The students have the opportunity to broaden their horizons and experiences by studying abroad at the University of Nottingham, in the United Kingdom. Students shall initially complete three years of study at BINUS in its Computer Science program. Upon successful completion of the three years at BINUS, students shall enroll in year three at one of Nottingham's three-year undergraduate degree programs. Students may progress to the United Kingdom campus, the Malaysia campus, or

the China campus of Nottingham. Upon successful completion of the four years of study, students shall receive a degree award from Nottingham, which is either B.Sc. (Hons.) Computer Science, B.Sc. (Hons.) Computer Science with Artificial Engineering, or B.Sc. (Hons.) Software Systems. Degrees awarded by the United Kingdom campus and the Malaysia campus are identical. Students will also receive an S.Kom. degree from BINUS UNIVERSITY. Students who would like to pursue careers in the IT industry and business in general are the ideal candidates for this program.

Double Degree in Information Technology

In cooperation with RMIT University, this double-degree program is designed to provide students with knowledge and practical skills to analyze, design, and implement complex computer software. Students have the opportunity to broaden their horizons and experiences by studying abroad at RMIT University in Australia. The available majors at RMIT include Application Programming, Business Applications, Multimedia Design, Network Programming, System Administration, and Web Systems. At the end of the program, students will receive S.Kom. and B.Info.Tech. degrees. Students who would like to pursue careers in the challenging area of Information Technology are ideal candidates for this program.

Double Degree in Computer and Information Sciences

In cooperation with Auckland University of Technology, this double-degree program is designed to provide students with knowledge and practical skills to analyze, design, and implement complex computer software. Students have the opportunity to broaden their horizons and experience by studying abroad at AUT in New Zealand. The available majors at AUT includes IT Service Science, Software Development, and Computer Science. At the end of the program, students will receive S.Kom. and B.C.I.S. degrees. Students who would like to pursue careers in the challenging area of Information Technology are ideal candidates for this program.

Computer Science (Single Degree)

The General Computer Science stream is a single degree program which is designed to provide students with knowledge, as well as practical and creative skills to design, develop, and implement Cloud, Web, Enterprise, Pervasive, and Mobile applications. Students also learn how to design, build, administer, and secure pervasive computer networks. This stream also provides students with the opportunity to become certified ethical hackers, network associates, and professionals.

Pervasive Games Technology (Single Degree)

The Games Technology stream is a single degree program that is designed to provide students with knowledge, as well as practical and creative skills to design and create computer graphics, animations, and interactive games. Students gain competence in the design and development of Interactive and Pervasive games in different platforms. This stream also provides students with an opportunity to become certified developers in 3D software packages such as Maya, 3DsMax, and Blender among others. Students who would like to pursue careers in the rapidly expanding games, animation, and creative industries are ideal candidates for this stream.

Teaching, Learning, and Assessment Strategies

- Student's experience a vast range of innovative learning processes, from experiential; student-centered, flipped classroom, to Hackerspace/Makerspace.
- Students get the opportunity to be future entrepreneurs by becoming engaged in a series of entrepreneurial courses which focus on technology and provide them with the necessary skills and knowledge to create and market their work.
- The curriculum also provides a scheme and platform whereby through the 3+1 program, students may choose from doing Entrepreneurship, Internship, Research, or Study Abroad work that is suitable for their future goals in the final year of the study.
- Students enjoy the internationally-recognized curriculum in an internationally diverse environment, receive an opportunity to work on international projects, and attain professional certifications in major areas of the IT industry that will enable them to be successful in their careers.

Study Completion Requirements

Major in Computer Science

To complete a major in Computer Science at BINUS UNIVERSITY INTERNATIONAL, students must complete a minimum of 146 SCUs of academic credit.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ENTR6091	Project Hatchery	2	20
	COMP6569	ICT Services Convergence	2	
	COMP6056	Program Design Methods	4	
	CHAR6013	Character Building: Pancasila	2	
	COMP6502	Introduction to Programming	6	
	COMP6570	Discrete Structures	4	
2	COMP6571	Data Structures and Algorithms	6	20
	COMP6341	Multimedia and Human Computer Interaction	4	
	COMP6510	Programming Languages	4	
	COMP6572	Computational Mathematics	6	
3	ENTR6486	Entrepreneurship Hatchery	3	23
	COMP6340	Analysis of Algorithms	8	
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
	CPEN6212	Computer Networks and Security	4	
	ISYS6169	Database Systems	6	
4	LANG6061	Indonesian	1	23
	ENGL6171	Academic English I	3	
	COMP6343	Web Application Development and Security	8	
	COMP6504	Computer Architecture and Operating Systems	4	
	COMP6345	Intelligent Systems	4	

Sem	Code	Course Name	SCU	Total
4	Stream: Computer Science			23
	COMP6210	Ethical Hacking and Penetration Testing	3	
	Stream: Pervasive Games Technology			
	GAME6048	Games Design and Programming	3	
5	ENGL6172	Academic English II	3	22
	COMP6573	Cloud and Distributed Systems	3	
	COMP6506	Pervasive Software Engineering	4	
	CHAR6015	Character Building: <i>Agama</i>	2	
	COMP6505	Computer Graphics	3	
	COMP6574	Data Science	2	
	ENTR6045	Technopreneurship	2	
	Stream: Computer Science			
	COMP6348	Network Forensics	3	
	Stream: Pervasive Games Technology			
	GAME6046	Advanced Games Design and Programming	3	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	COMP6128	Thesis	6	6
TOTAL CREDITS 146 SCU				

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Students will take one of the enrichment program tracks (off campus).

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1	v						v					
2	v							v				
3	v								v			
4	v										v	
5		v							v			
6		v					v					
7		v									v	
8			v						v			
9			v				v					
10					v			v				
11					v				v			
12					v		v					

Notes:

I : Internship
 RS : Research
 ENTR : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 Other : Program's specific need

Notes:

Student can choose one of the available tracks.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
COMP6349	Industry Experience I	8	
COMP6350	Software Development Practice	4	
COMP6351	Software Quality Practice	4	
Enrichment Program II			16
COMP6352	Industry Experience II	8	
COMP6353	Information Technology in Industry	4	
COMP6354	IT Project Practice	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6092	Business Model Innovation	8	
ENTR6096	Creative Business Planning	4	
ENTR6097	Managing Team and Culture	4	
Enrichment Program II			16
ENTR6093	Sustainable Startup Creation	8	
ENTR6098	Business Networking	4	
ENTR6099	Business Story Telling	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Research Exposure	8	16
RSCH6069	Scientific Writing	4	
RSCH6070	Research Methods in Computer Science	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
GLOB6085	Elective Course for Study Abroad 1	4	16
GLOB6086	Elective Course for Study Abroad 2	4	
GLOB6087	Elective Course for Study Abroad 3	4	
GLOB6088	Elective Course for Study Abroad 4	4	
GLOB6047	Elective Course for Study Abroad 5	2	
GLOB6048	Elective Course for Study Abroad 6	2	
GLOB6049	Elective Course for Study Abroad 7	2	
GLOB6050	Elective Course for Study Abroad 8	2	
GLOB6051	Elective Course for Study Abroad 9	2	
GLOB6052	Elective Course for Study Abroad 10	2	
GLOB6053	Elective Course for Study Abroad 11	2	
GLOB6054	Elective Course for Study Abroad 12	2	

*) The elective courses for study abroad will be transferred to Binus University International's SCU systems based on credit transfer policies.

The Table of Prerequisite for Computer Science Program

Subject		SCU	Smt	Prerequisite(s)		SCU	Smt
COMP6340	Analysis of Algorithms	8	3	COMP6502	Introduction to Programming	6	1
COMP6343	Web Application Development and Security	8	4	COMP6510	Programming Languages	4	2
COMP6345	Intelligent Systems	4	4	COMP6340	Analysis of Algorithms	8	3
COMP6573	Cloud and Distributed Systems	3	5	CPEN6212	Computer Networks and Security	4	3
COMP6506	Pervasive Software Engineering	4	5	COMP6510	Programming Languages	4	2
COMP6505	Computer Graphics	3	5	COMP6502	Introduction to Programming	6	1
COMP6574	Data Science	2	5	COMP6345	Intelligent Systems	4	4
COMP6210	Ethical Hacking and Penetration Testing	3	4	CPEN6212	Computer Networks and Security	4	3
COMP6348	Network Forensics	3	5	CPEN6212	Computer Networks and Security	4	3
GAME6048	Games Design and Programming	3	4	COMP6502	Introduction to Programming	6	1
GAME6046	Advanced Games Design and Programming	3	5	COMP6502	Introduction to Programming	6	1

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6486	Entrepreneurship Hatchery	C
3.	COMP6502	Introduction to Programming	C
4.	COMP6056	Program Design Methods	C
5.	COMP6571	Data Structures and Algorithms	C
6.	COMP6506	Pervasive Software Engineering	C
7.	COMP6510	Programming Languages	C
8.	COMP6343	Web Application Development and Security	C

3.5.6 Business Information Systems

Introduction

The Business Information Systems program is a unique combination of the computing domain and the business sector that is developed to equip the students with competencies of managing IS (Information Systems), information technology, entrepreneurship, business processes, and project management. Its graduates will play an important role in delivering technological solutions to the marketplace by systematically recognizing and translating business needs into technical IT (Information Technology) requirements.

The ability to be the link between technology and the people/customer is a rare expertise in the IT industry nowadays. Combined with a focus on international quality higher education systems, embedded entrepreneurship, and innovation subjects, the program opens its graduate to endless opportunities from being a world class Information Systems professional to a well-equipped business start-up entrepreneur.

The double degree offered in partnership with Queensland University of Technology (QUT), Auckland University of Technology (AUT), Northumbria University in the United Kingdom, and Cologne Business School in Germany, will enhance students' ability to compete in the international marketplace. The program aims to prepare students for either immediate entry into the global marketplace or for more advanced study in either business or information technology.

Vision

The Program of Business Information Systems strives to become a reputable and leading Information Systems international program for developing world-class professionals and entrepreneurs with excellent skills in Information Systems and Business.

Mission

The Program of Business Information Systems exists to prepare globally competitive Information Systems graduates through an innovative and growth-oriented curriculum by providing academic and service excellence, promoting international exposure, building strong corporate connections, and gaining international recognitions.

The students will be equipped with problem-solving, information technology, leadership, entrepreneurial knowledge and skills through high-quality education and research in the area of Business Information Systems.

Program Objectives

The objectives of the Business Information Systems program are:

1. To equip the students with the latest data science capability and knowledge on technology-based solutions of web and mobile applications, business process re-engineering, infrastructure architecture, and databases; to meet management needs for information systems and decision support.
2. To equip students with various thinking skills in the area of strategic planning, strong analytical, critical, and design thinking in developing innovative technology solutions.
3. To equip students with leadership, entrepreneurial, ethical professional skills related to the Information Systems industry.

4. To equip student with openness and awareness of diversity across cultures and to prepare them with effective communication skills to enter the international market as global citizens.

Student Outcomes

Upon successful completion of this four-year program, students are expected to be able to:

1. Identify and formulate the root cause of system performance information through data analysis and information on business processes.
2. Identify the needs of the database for building information systems.
3. Design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan organizations.
4. Design, create, manipulate and implement computer based information system for new business model.
5. Apply the contemporary technology in Information Systems of cloud based, mobile, analytics, and Internet of things.
6. Implement strategic planning, critical thinking, and design thinking in developing innovative technology solutions.
7. Make creative business plan and to construct, innovate and evaluate digital based business start-up.
8. Apply project management concepts such as initiation, planning, execution, control and closure of projects to practice information-based systems in an international working environment.

Prospective Careers of the Graduates

A wide range of career opportunities in the information systems industry are introduced to students during their studies. The integrated curriculum is designed and developed to support students in building on their technical and non-technical skills as well as engaging with the industry. IS graduates may enter the marketplace through many career paths, including, but not limited to:

- Data Scientist
- Corporate Information Systems Designer
- Database Administrator (DBA)
- E-Business Entrepreneur
- Enterprise System Administrator
- Enterprise Resource Planning (ERP) Consultant
- Information Technology-Based Entrepreneur
- IS Project Manager
- IT/IS Consultant
- IS Auditor
- Programmer Analyst
- System Tester and Integrator

This program provides an internship program wherein they may conduct real projects as a practical study within industrial contexts. The program develops the students' abilities to be involved in professional practices, and ethical and organizational responsibilities. Furthermore, the industrial internship program provides students with real experiences in the workplace and leverages their ability to cope with the international working environment. In addition, a series of study/field trips to visit professionals and industries will be conducted to give good grounds for

having a broad overview of the industry. These experiences support individual career aspirations and may provide social and professional networks.

BINUS UNIVERSITY INTERNATIONAL also provides career support for students by disseminating information on the latest job vacancies, internships, and workshops. This support service can be accessed on www.binuscareer.com

Awards/Degrees

- *Sarjana Komputer* (S.Kom.) from BINUS UNIVERSITY
- Double Degree with Bachelor of Information Technology (B.I.T.) from Queensland University of Technology in Queensland, Australia
- Double Degree with Bachelor of Computer and Information Sciences (B.C.I.S.) from Auckland University of Technology in Auckland, New Zealand
- Double Degree with a Bachelor of Art (B.A.) from Cologne Business School in Cologne, Germany
- Double Degree with a Bachelor of Science (BSc. – Hons.) in Business Information Systems from Northumbria University, Newcastle, United Kingdom.
- Double Degree with a Master of Commerce in Information System and Technology (M.Com) from Macquarie University, Australia.

Majors and Streams

Stream	Degree				Partner
	Single	Title	Double	Title	
Business Information Systems	√	S.Kom.			
International Business major in International Trade			√	S.Kom. & B.A.	Cologne Business School, Germany
International Business major in European Management			√	S.Kom. & B.A.	Cologne Business School, Germany
Business Information Systems (Honors)			√	S.Kom. & BSc. (Hons)	Northumbria University, Newcastle, United Kingdom
Information Technology			√	S.Kom. & B.I.T	Queensland University of Technology, Australia
Computer and Information Sciences			√	S.Kom. & B.C.I.S.	Auckland University of Technology, New Zealand
Master of Commerce in Information System and Technology				S.Kom. & M.Com	Macquarie University, Australia

Title: S.Kom. (Sarjana Komputer)

B.A. (Bachelor of Arts)

B.Sc. (Hons.) (Bachelor of Science (Honors))

B.I.T (Bachelor of Information Technology)

B.C.I.S. (Bachelor in Computer and Information Sciences)

M.Com. (Master of Commerce)

Single Degree Program

There are three streams available in this program in the 6th and 7th semesters. The three streams are: Business Start-up, Enterprise Systems Management, and Research in Information Systems.

Double Degree Program

The Double Degree programs are offered in partnership with Queensland University of Technology (Brisbane, Australia), Auckland University of Technology (Auckland, New Zealand), and Cologne Business School (Cologne, Germany) and Northumbria University (Newcastle, UK). In addition to the *Sarjana Komputer* (S.Kom) degree from BINUS UNIVERSITY, students who complete this program will be awarded with a Bachelor of Information Technology (B.I.T) degree from QUT, Bachelor of Computer and Information Sciences (B.C.I.S.) from AUT, Dual Degree with a Bachelor of Science (B.Sc. - Hons) in Business Information Systems from Northumbria University, and Bachelor of Arts (B.A.) degree from Cologne Business School. The first three years of study follow a prescribed set of courses agreed between BINUS and AUT/QUT/Cologne/NU. The final year of study is undertaken at the partner overseas campus abroad.

Master Track Program

The Master Track program is designed to allow students to complete their *Sarjana Komputer* (S.Kom) degree at BINUS UNIVERSITY INTERNATIONAL in the 7th (seven) semesters, and then continue with a graduate program for 2 (two) years at Macquarie University to obtain a Master degree.

Teaching, Learning, and Assessment Strategy

The teaching and learning processes are conducted through lectures, tutorials, practical demonstrations and activities, small projects, with students' independent study required. It is the responsibility of the lecturer of a particular course to facilitate all students' learning in the course, who can be assisted by a tutor, if necessary. By having qualified lecturers and guest lecturers from professional industries, the students will be able to gain knowledge from both sides, i.e. theoretical and practical frameworks, through in-depth analyses of case studies, laboratories, and individual/group work projects. In addition, innovation habits will be developed through course assessments that emphasize content comprehension and innovation. Students are required to translate their selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment process of several courses throughout the program.

Learning will be an exciting experience for students as they are provided with facilities such as Internet access, computer laboratories, and library resources. Specialized laboratories or access to specialized simulation software is needed for advanced students where group and individual projects are developed. Contemporary and emerging software development tools will be available to create the most current enterprise solutions. A good quality library is provided for the students to access books, journals, and magazines for information and research activities.

All coursework is assessed through a variety of assessment tasks such as reports, presentations, assignments, individual and group projects, and thesis/final project reports, as well as mid-semester and final semester examinations. The feedback of the given assessment tasks is given in the class/tutorial, embedded in the scoring rubric/assessment criteria sheet and/or separate feedback forms. Students will also be encouraged to work together on team-oriented projects. The group skills developed in this mode are critical to a successful information systems

professional. The complexity of course content in designing problem-solving methods is introduced at different levels of the study. A final project work and the written report must be submitted in year 4 (semester 8).

Study Completion Requirements

To complete the program of Business Information Systems with either a single or double degree(s) at BINUS UNIVERSITY INTERNATIONAL, students must complete a minimum of 146 SCUs (academic credits). These 146 SCUs comprise:

- Single degree students are required to complete a total of 114 SCUs of mandatory courses. In semester 6 and 7 students will need to choose the combination of Enrichment track: Entrepreneurship, Internship, Study Abroad, and Research. Each semester comprises 16 SCUs which are a total of 32 SCUs within the two semesters.
- Double degree students are required to complete a total of 124 SCUs of mandatory courses. In semester 7 and 8 students will need to finish their second degree at the partner university abroad with a total of 22 BINUS UNIVERSITY INTERNATIONAL SCUs.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6466	Contemporary Management Information Systems & Algorithms	8	20
	CHAR6013	Character Building: <i>Pancasila</i>	2	
	ISYS6496	Applied Project Management	4	
	ENTR6091	Project Hatchery	2	
	ACCT6133	Introduction to Financial Accounting	4	
2	ISYS6409	Programming Mastery	8	20
	MATH6115	Applied Research and Linear Algebra	4	
	ISYS6410	Information Systems Modelling	6	
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
3	LANG6061	Indonesian	1	23
	ISYS6468	Advanced Programming and Testing	8	
	ISYS6412	Data Management and Analytics	8	
	ENTR6486	Entrepreneurship Hatchery	3	
	ENGL6171	Academic English I	3	
4	ISYS6413	Object Oriented Information Systems	6	23
	ISYS6209	User Experience	4	
	ISYS6415	Enterprise Resource Planning Systems	6	
	ENGL6172	Academic English II	3	
	ISYS6497	Cloud Technology	4	
5	ISYS6417	E-Commerce, IOT and Mobile Systems	8	22
	ISYS6498	Information Systems Architecture	6	
	ISYS6419	Technology Consulting in the Community	6	
	CHAR6015	Character Building: <i>Agama</i>	2	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	ISYS6268	Thesis	6	6
TOTAL CREDITS 146 SCU				

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Students will take one of the enrichment program tracks (off campus).

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1	v						v					
2	v							v				
3	v								v			
4	v										v	
5		v					v					
6		v							v			
7		v									v	
8			v				v					
9			v					v				
10			v						v			
11			v								v	
12					v			v				
13					v				v			

Notes:

I : Internship

RS : Research

ENTR : Entrepreneurship

CD : Community Development

SA : Study Abroad

Other : Program's specific needs

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ISYS6503	Industry Experience	8	
ISYS6421	Human Factors in Information Systems	4	
ISYS6422	Managing Across Cultures	4	
Enrichment Program II			16
ISYS6504	Professional Experience	8	
ISYS6424	Corporate IS Management	4	
ISYS6425	IT Service Delivery	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6092	Business Model Innovation	8	
ENTR6096	Creative Business Planning	4	
ENTR6097	Managing Teams and Cultures	4	
Enrichment Program II			16
ENTR6093	Sustainable Startup Creation	8	
ENTR6098	Business Networking	4	
ENTR6099	Business Story Telling	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Research Exposure	8	16
RSCH6075	Formulating Research Topics	4	
RSCH6076	Research Tools and Applications	4	

Enrichment Study Abroad Track*

Course Name	SCU	Total
GLOB6085	Elective Course for Study Abroad 1	16
GLOB6086	Elective Course for Study Abroad 2	
GLOB6087	Elective Course for Study Abroad 3	
GLOB6088	Elective Course for Study Abroad 4	
GLOB6047	Elective Course for Study Abroad 5	
GLOB6048	Elective Course for Study Abroad 6	
GLOB6049	Elective Course for Study Abroad 7	
GLOB6050	Elective Course for Study Abroad 8	
GLOB6051	Elective Course for Study Abroad 9	
GLOB6052	Elective Course for Study Abroad 10	
GLOB6053	Elective Course for Study Abroad 11	
GLOB6054	Elective Course for Study Abroad 12	

*) The elective courses for study abroad will be transferred to Binus University International's SCU systems based on credit transfer policies.

The Table of Prerequisite for Business Information Systems Program

Subject		SCU	Smt	Prerequisite		SCU	Smt
ISYS6468	Advanced Programming and Testing	8	3	ISYS6409	Programming Mastery	8	2
ISYS6412	Data Management and Analytics	8	3	MATH6115	Applied Research and Linear Algebra	4	2
ISYS6415	Enterprise Resource Planning Systems	6	4	ISYS6466	Contemporary Management Information Systems & Algorithm	8	1
ISYS6417	E-Commerce, IOT and Mobile Systems	8	5	ISYS6468	Advanced Programming and Testing	8	3
ISYS6498	Information Systems Architecture	6	5	ISYS6466	Contemporary Management Information Systems & Algorithm	8	1

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6486	Entrepreneurship Hatchery	C
3.	ISYS6498	Information Systems Architecture	C
4.	ISYS6410	Information Systems Modelling	C
5.	ISYS6412	Data Management and Analytics	C
6.	ISYS6496	Applied Project Management	C
7.	ISYS6409	Programming Mastery	C
8.	ISYS6416	Cloud Technology	C

3.6 Course Descriptions

SUBJECT AREA: ACCT

ACCT6059 – MANAGEMENT CONTROL SYSTEMS (2 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: describe and apply the management control alternatives and their effects; describe and apply the management control alternatives and their effects; analyse the effectiveness of a management control system; explain and analyse issues of good corporate governance, roles and ethics; identify and analyse the problems related to management control practices and propose alternative solutions.

Topics: This course focuses on broadening and deepening students' conceptual and technical understanding of accounting as it is used for management purposes. The major part of this course will emphasize on management function and control alternatives, which is importance at managerial levels in all but the smallest organization. The other part of this course will focus on the financial control, measurement and evaluation of the performances of organization entities and their managers.

Pre-requisite(s): Managerial Accounting

ACCT6062 – FINANCIAL AUDIT I (4 SCU)

Learning Outcomes: By the end of the course, students are expected to be able to: describe the nature and objective of auditing and other assurance services; explain specific types of audit reports and opinions; explain accountant's legal liability and professional ethics; explain the importance of internal controls; and describe the audit process.

Topics: This course in Auditing is designed to give student fundamental concepts in auditing concerns determining the nature and amount of audit evidence the auditor should gather after considering the unique circumstances of each engagement. The course covers understanding of audit and assurance services and the public accounting profession including other assurance and non-assurance services, audit reports, legal liability and professional ethics, audit responsibilities and objective, audit evidence, audit planning and analytical procedures, materiality concepts, internal control, fraud auditing.

Pre-requisite: Intermediate Accounting

ACCT6063 – FINANCIAL AUDIT II (4 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: apply methodology of internal controls over specific cycle; design and perform test of controls and other tests for specific cycle; describe type of audit sampling for audit tests; describe and apply impact of information technology on audit process; describe the implementation of audit program.

Topics: This course teaches students to apply audit concepts in various accounting cycles, apply sampling techniques in compiling audit evidence, and explain audit operational concept. The course also explains about sampling in audits, sampling on control and substantive tests, auditing the revenue cycle, auditing the expenditure cycle, auditing on production and personnel service cycle, auditing the investing and financing cycle, auditing investment and cash balances, completing the audit and reporting, other assurance services, and government auditing.

Pre-requisite(s): Financial Audit I

ACCT6083 – ADVANCED ACCOUNTING (4 SCU)

Learning Outcomes: This module course is an advanced level course compulsory for students in the accounting major. The knowledge and skills attained in the course are crucial to build comprehensive accounting competence and understanding in mergers and acquisitions, foreign currency, hedging, partnerships, bankruptcy and liquidation, non for profit accounting, and the economic aspect of sustainability reporting.

Topics: All mergers and acquisitions with different methods based on different ownerships, foreign currency, hedging, partnerships, bankruptcy & liquidation, non for profit accounting, and the economic aspect of sustainability reporting.

Pre-requisite(s): Intermediate Accounting

ACCT6133 – INTRODUCTION TO FINANCIAL ACCOUNTING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the basic principles of accounting; identify the basic steps in the accounting processes; define necessary postings in specific business transactions; describe the four financial statements and how they are prepared; explain the required steps in the accounting cycle; and explain the applications of internal control principles.

Topics: The course provides students with the knowledge of fundamental financial accounting and the preparation of financial statements for external decision-makers, such as stockholders, suppliers, banks, and government agencies.

Pre-requisite(s): None

ACCT6168 – THESIS (6 SCU)

Learning Outcomes: Upon completion of the thesis, students are expected to be able to perform analytical thinking by conducting rigorous research utilizing different research approaches and tools.

Topics: The thesis will enable students to formulate research problems, identify relevant literatures based on the topic chosen, and design as well as execute research. Students will learn how to select and apply relevant research methods according to their research design.

Pre-requisite(s): Academic English II; Theory and Research Methodology in Accounting & Finance; Seminar in Thesis

ACCT6242 - PRINCIPLES OF ACCOUNTING (6 SCU)

Learning outcomes: This module emphasizes the understanding of the role of accounting in business transaction and role of accounting professions in business society. Upon completion of this module, students are expected to be able to define the basic accounting concepts; explain the basic accounting concepts in different business transactions; explain the accounting procedures based on Indonesian and international accounting standards (PSAK and IFRS); apply the accounting procedures in different business transactions; prepare company major financial statements in a simple business situation; explain the roles of accounting professionals in business society.

Topics: This course introduces the role of accounting in business transactions and role of accounting professions in business society. This course also provides a foundation for other financial accounting courses. Topics covered in this course include accounting conceptual frameworks, accounting cycles, accounting equations, basic accounting concepts (assets, liabilities, equities, income, and expenses), identifying, recording, and reporting business financial transactions to prepare company financial statements (financial position statements, income statements, cash flow statements, statements of changes in equity).

Pre-requisite(s): None

ACCT6248 – INDUSTRY INTEGRATED LEARNING (8 SCU)

Learning Outcomes: Upon successful completion of this industry integrated learning (internship), students are expected to have hands-on experience of working in an accounting & finance related position and have a deep understanding of relevant organizational functions. Students will also be exposed to important soft skills they should acquire to get them ready for employability on their graduation. Furthermore, by the end of the internship period, it is expected that the students have develop a greater understanding about career options while more clearly defining personal career goals

Topics: This course will enable students to have hands-on experience by working on a function or project during their internship in that organization. The internship will be a semester long; and by the end of the period, the students will deliver outputs such as an internship report containing the description of their internship place, tasks or project handled and self-reflection as well as learning points.

Pre-requisite(s): None

ACCT6292 – MANAGERIAL ACCOUNTING (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the work of management and the need for managerial accounting information; classify costs for predicting cost behavior, assigning costs to cost objects, and decision making; distinguish between process costing and job-order costing and illustrate the flow

of costs in each costing system; describe the interrelationships among cost, volume, and profit; explain the importance of budgeting and practice the relevant budgets making; analyze budget variances and relate them with company performance measurement; implement various performance measurement tools and practice using relevant costs to make decisions; analyze different costs for different purposes and practice using relevant costs to make decisions.

Topics: This course deals with planning, controlling, as well as costing product, services, and customers. It focuses on management accountant issue such as assisting managers to make better decision throughout the concept of “different cost for different purposes”. By focusing on basic concepts, analyses, uses, and procedures, instead of procedures alone, it can be recognized that cost and management accounting as a managerial tool for business strategy and implementation. This course gives the non-accounting students the analytical and problem-solving skills such as excel to leverage available information technology. This course is for non-accounting students.

Pre-requisite(s): Microeconomics; Principles of Accounting

ACCT6293 – INTERMEDIATE ACCOUNTING (8 SCU)

Learning Outcomes: This module emphasizes the application of international (IFRS) and local (PSAK) standards on concepts and procedures that have been discussed in the Principles of Accounting module and analyze accounting concepts and procedure in more complex business transactions. Upon completion of this module, students are expected to be able to apply accounting standards, practices and procedures to certain financial accounting issues according to IFRS and PSAK; analyze the consequences of applying accounting standards on company financial statements; prepare company financial statements involves more complex business transactions; analyze company financial statements in regards to various business transactions; communicate financial accounting issues effectively; and discuss the ethics in the environment of financial accounting.

Topics: This module introduces students to the application of accounting standards and procedures with specific issues. The topics covered in this module include the valuation, disposition and impairment of tangible and intangible asset elements, the valuation of liabilities elements, dilutive securities, investments, revenue recognition, pension, and leases. In each topic, students will also learn to identify ethic issues arisen and discuss the role of accounting professions in such issues.

Pre-requisite(s): Principles of Accounting

ACCT6307 – APPLIED INTERPERSONAL AND BUSINESS COMMUNICATION (4 SCU)

Learning Outcomes: This part of industry integrated learning course aims to expose students to the real practice in which they can apply and develop their interpersonal and business communication.

Topics: This course focus on how students develop their verbal and nonverbal communication, listening skills, problem solving and decision making, assertiveness, time management, and dealing with different audiences.

Pre-requisite(s): None

ACCT6308 – ORGANIZATIONAL AND MANAGERIAL PRACTICE (4 SCU)

Learning Outcomes: At the end of the course student will have exposure to a new paradigm of business practices. Students are expected to apply their hard and soft skills through engagement with various level of management of companies and associated assignment they have during the industry integrated learning unit.

Topics: This course focus on how students will be exposed and be able to appreciate how organizational structure and culture of an institution will contribute to management control in an organizations, and how an organization characteristics might impact management practices

Pre-requisite(s): None

ACCT6321 – THEORY AND RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE (4 SCU)

Learning Outcomes: This course is the capstone of accounting and finance courses that emphasizes on the comprehensive understanding of contemporary issues. This course also equips the students to conduct accounting and finance research. Upon completion of this course, students are expected to be able to explain contemporary accounting & finance issues; explain various relevant theories; relate the issues and theories; and communicate their own opinions on the issues. Additionally, students are also expected to be able to critically review accounting and finance literature, identify literature gaps in their chosen research topic; compare various research design elements; communicate their research ideas clearly; and compose a research proposal.

Topics: This course uses academic journal articles as well as case study as learning materials. The topics covered in this course include financial reporting environment, conceptual frameworks, measurements, normative and positive accounting theories, system-oriented theories, corporate governance, earnings management, social and environmental reporting, and behavioral accounting. In terms of research methodology, this will also cover research philosophy, literature review and theoretical/conceptual framework, qualitative and quantitative data collection and analysis, research model, and writing a

research proposal.

Pre-requisite(s): Statistics Fundamental for Business Studies; Advanced Accounting; Managerial Accounting

ACCT6322 – FRAUD AND CORRUPTION RISK IN ASIA (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to understand the historical background, causes, consequences, risk and reform surrounding the fraud and corruption in Asia. Moreover, students will understand the importance of cutting off corruption's supply side as a vital step in limiting the economic damage inflicted by corrupt practices to the individual, business and community.

Topics: The course introduces the fraud and corruption historical background in Asia, consequences of fraud and corruption, theories and practices for managing fraud and corruption, data mining for detection of fraud and corruption, enforcement, incentive schemes and market solution in preventing fraud and corruption.

Pre-requisite(s): None

ACCT7141 – ACCOUNTING INFORMATION SYSTEMS & INTERNAL CONTROL (4 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: explain the fundamental of AIS design, business process and its impact to support management decision making process; evaluate internal control concepts in both manual and computerized environments of information systems and design controls to mitigate risks associated, within different types of business cycles; explain and apply effective and efficient standard operation procedures recommendation to different types of companies; explain how AIS interacts with internal information needs to provide financial reporting; explain the advanced technologies in AIS including the evolution, IT governance and strategy, security, internal controls and relevant aspects of Sarbanes-Oxley legislation.

Topics: Accounting Information Systems collect record, store and process data to provide information for decision makers. They can be very simple paper-and-pencil-based manual systems, very complex using the latest in computers and information technology or something in between. Accounting systems are studied from an accounting cycles' perspective, emphasizing the nature and relevance of accounting internal controls and the relationship of accounting systems to the functional areas of accounting. This study will help students in deepen their knowledge of accounting as information provider useful for decision making and allowing them to acquire skills of information systems and technology.

Pre-requisite(s): Principles of Accounting

SUBJECT AREA: ARTS

ARTS6015 – AESTHETICS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze issues in philosophical aesthetics perceptively and evaluate them critically; analyze the historical achievements in aesthetics, current major issues in philosophical aesthetics raised by the art-works, processes, and directions in aesthetics; demonstrate an understanding of the common elements and vocabulary of philosophical aesthetics and of the interaction of these elements, and be able to employ this knowledge in analysis; exhibit their work and contribute in critiques and discussions of their work and the work of others.

Topics: This course consists of readings, observation and listening assignments, class discussion and presentations, visits to various exhibits, concerts, and performances, and regular writing assignments, both graded and ungraded. Graded assignments include two short essays in; critiques, a short group presentation on an assigned aesthetic topic, and the preparation of a term project in philosophical aesthetics, which is to be discussed with the lecturer. Ungraded assignments include five event reports, a reading response paper every week, and various in-class writing exercises.

Pre-requisite(s): None

SUBJECT AREA: BUSS

BUSS6119 – BUSINESS LAW & TAXATION (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and explain tax issues such as tax procedures; demonstrate and apply tax calculations; demonstrate an awareness the importance of tax for the government; demonstrate an understanding of professional and ethical responsibility related to tax issues. Students are also expected to be able to compare and contrast all aspects of more advanced tax issues; describe knowledge of economic issues from the local to the global scale that are impacted by accounting and finance solutions and demonstrate an awareness of relevant advanced tax issues.

Topics: This course is to provide students with the skills needed to apply the rules and the methods in the daily practice of tax application in government, private, or public corporations. This course also introduces terminology used for the general rules and methods in Indonesian taxation. The course is also designed to provide students with knowledge of how to

manage a company's taxes in the most optimal way. Some topics covered include taxation management in retail, manufacturing and service companies.

Pre-requisite(s): Intermediate Accounting

BUSS6131 – ETHICS AND CORPORATE GOVERNANCE (2 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to explain the nature and framework of ethics and its relation to business and good governance; discuss the importance of compliance with the fundamental ethical principles of integrity, objectivity, commitment to professional competence, due care and confidentiality; discuss how ethics influence the individual professional accountant, including: whistle blowing, conflicts of interest, ethical dilemmas and their resolution; identify major ways that organizations can work to prevent fraud, discuss the nature and symptoms of fraud in an organization, grasp governance codes, understand how they are used to lay ground for ethical behavior, and how they increase the accountability of the corporation towards the general public, as well as examine the aspects of accountability, ethics and trust in governance.

Topics: This course covers the framework of ethics and governance, discuss the importance, nature, behavior of aspects related to ethics and governance.

Pre-requisite(s): None

BUSS6146 – BUSINESS AND DATA ANALYTICS (4 SCU)

Learning outcomes: On successful completion of this course, students will be able to explain the concepts of big data and business analytics, differentiate between descriptive analytics, predictive analytics, and prescriptive analytics, perform data processing steps, including data extraction, data understanding, data cleansing and transformation, perform data analysis and visualization to produce insights from data, create data mining models using financial datasets, perform optimization using Excel solver, propose analytics solutions to address various business challenges

Topics: This course will cover the introduction to business analytics, the principles of big data technology and how it works, data processing and exploratory data analysis, creating visualization dashboard using Excel, introduction to data mining, regression modeling, forecasting techniques, classification modeling, Monte Carlo simulation and risk analysis, introduction to prescriptive analytics and optimizations, linear optimization using Excel solver and latest trend in analytics & example use cases

Pre-requisite(s): Statistic Fundamental for Business Studies

SUBJECT AREA: CHAR

CHAR6013 – CHARACTER BUILDING: PANCASILA (2 SCU)

Learning Outcomes: Character Building: Pancasila in BINUS University consists of some urgent aspects consists of: the history of Pancasila, Pancasila as a basic and ideology of nation, the religious values, the humanity values, the unity value, the democracy value and the justice value of Pancasila. Upon successful completion of this course, students are expected to be able to: Explain Pancasila as the basic, state ideology, and system of philosophy and ethics; Analyze community issues related to the implementation Pancasila; Apply the values of Pancasila in concern actions.

Topics: Character Building: Pancasila lecturing aims to establish the characters of the students as Indonesian citizens who live their existence by means of authentic and genuine. The topics examined in this study include the history, function and intrinsic values which crystallizes in the Pancasila. It is expected that by studying these topics, students have a comprehensive awareness and understanding of Pancasila as the basic ideological of the state, and a good source of ethical behavior in society and the professional world.

Pre-requisite(s): None

CHAR6014 – CHARACTER BUILDING: KEWARGANEGARAAN (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Describe the civic related concept such as citizen, social values, norms, national resilience, national identity of Indonesia, nationalism; Identify the potential social conflict in Indonesia, potential threats to archipelago, and challenges of national integration; Participate in a community and a global citizen movement

Topics: Character building: Civic Education aims to develop the character of the students as citizens. Through this course, student will be able to build awareness as a citizen of republic of Indonesia; describe the rights and obligations as a citizen; build solidarity amongst citizen; explain the meaning of NKRI (Negara Kesatuan Republik Indonesia). This course is an important part of CB: Pancasila and CB: Religion.

Pre-requisite(s): None

CHAR6015 – CHARACTER BUILDING: AGAMA (2 SCU)

Learning Outcomes: Students are expected to be able to do by the end of the course, which may cover specific technical skills and personal qualities pertaining to the course given. The personal qualities may have been reflected in the defined course learning outcomes or attained separately, outside the curriculum. Upon successful completion of this course, students are expected to be able to: Explain the religious related concepts and the meaning of religious rituals; Describe the meaning and the influence of secularism; Explain the conscience and the roles of religions for building the world peace; Apply the religious values in the workplace and the daily life.

Topics: This course discusses relations between human and God. This course offers religious knowledge and the importance aspects of religious life. Through this course the student is expected to have a personal faith, believe in God, caring for people and the environment, being tolerant and open minded to religious life. This course will be delivered in two ways: in and outside the classroom. This course is also related to CB Pancasila and CB Kewarganegaraan.

Pre-requisite(s): None

SUBJECT AREA: CMDV**CMDV6239 – SOCIAL AND ENVIRONMENTAL RESPONSIBILITY REPORTING (4 SCU)**

Learning Outcomes: At the end of the course, students will be able to apply relevant theories and managerial accounting tools to real life business cases. Students are also expected to be able to critically analyze environmental, social and economic responsibility of an organization.

Topics: This course will focus on different tools of integrated reporting to present and disclose relevant information.

Pre-requisite(s): None

CMDV6240 – ORGANIZATIONAL AND SOCIAL PRACTICE (4 SCU)

Learning Outcomes: Throughout this course, students will have exposure to the practices of the social organization or communities and contribute to the improvement of the related society.

Topics: This course will focus on application of concepts and principles of accounting and finance studies to the practice with organizations and communities of global context, and social work practice in the organizational setting.

Pre-requisites: None

SUBJECT AREA: COMM**COMM6012 – THEORY OF COMMUNICATION (4 SCU)**

Learning Outcomes: Upon completion of this course, students are expected to be able to: explain principles and central ideas of different communication theories; compare different perspectives in communication and media studies; apply different communication theories in real life; evaluate advantages and disadvantages of different communication theories applied to specific communication problems; review application of theories in different communication situations.

Topics: Introduction to the theory of communication; The function and the elements of mass communication; Models in mass communication; The theories of mass communication; The effects of mass communication; Mass communication ethics; The benefit of mass media; The important aspects of mass media; Language perception and issues in mass media; Communication media in modern society; Communication network. The class provides a working knowledge of theories that explain the broad range of communication phenomena; discusses what these theories say about communication process and the relationship among the leading ideas in communication; introduces principles and central ideas of important theories they are likely to encounter in the communication discipline; overviews brief history of how the communication discipline is developing; explores classic as well as newest thoughts in communication; explores of practical, engaging, and relevant ways in which these theories operates in our lives.

Pre-requisite(s): None

COMM6014 – THEORY OF MASS COMMUNICATION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain models of transmission theories; explain different theories and sub-disciplines in mass communication; explain different purposes and means of propaganda; explain social significances of the history and evolution of media technologies; explain the multi-disciplinary and cultural bounded approaches in media studies.

Topics: This class exposes students to basic concepts, assumptions and theories in mass communication and media studies as multi-disciplinary field, and introduces students to advertising and marketing methods. The class focuses on the origins, methods, and uses of these theories in mass media, and in doing so it discusses film footages, television programs, and other mass media content.

Pre-requisite(s): None

COMM6019 – PUBLIC OPINION (2 SCU)

Learning Outcomes: On successful completion of this Course, students will be able to: Manage the usage of public opinion in communication; Explain the specific character of public opinion; Analyze meaning, foundation, and definition of public opinion; Create the relationship between the data usage and public opinion in communication.

Topics: Introduction Expressing Opinion; Public opinion Process; Characteristic and Principle of Public Opinion; Censorship and Privacy; Agitation and Propaganda in public opinion; Public Relation as Managing Public Opinion; The Role of Public Relations in Forming Public Opinion; Public Opinion as Political Communication strategy; Public Relations Campaign for creating Public Opinion; Polling technique and Public opinion; Methods – Attitude Measurement; Using Data of Public Opinion; Measuring Image Via Public Opinion.

Pre-requisite(s): None

COMM6099 – INTERCULTURAL COMMUNICATION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: define intercultural communication and explain the importance of studying intercultural communication; explain the four layers (individual, interpersonal, organizational, and cultural) in a layered approach of intercultural communication; explain intercultural communication solutions both in regional and international contexts; conclude the factors, processes, and benefits of intercultural communication in pluralistic and global societies; as well as conclude supporting and inhibiting factors in intercultural communication.

Topics: The course covers the background, definitions, and dimensions of intercultural communication; the relationship between communication and culture; culture as a filter; perceptions, behaviors, stereotypes, and prejudice; understanding the differences of culture; the time dimension in intercultural communication; the influence of the communication process with strangers; message interpretation and transmission; interactions with foreigners; communication and acculturation; theories of intercultural communication; cultural shock and self-adaptation in a cultural environment; and intercultural communication research.

Pre-requisite(s): Introduction to Communication

COMM6100 – INTRODUCTION TO COMMUNICATION SCIENCE (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: describe the concepts, essences, functions, and patterns of communication; explain the principles of communication; identify communication issues in all types of communication; and explain aspects of communication for social interactions in political, economic, social, and cultural contexts.

Topics: The class introduces students to communication and communication science; communication perspectives and paradigms; the functions of communication; the principles of communication; communication characteristics and models; perceptions and communication; effective communication management; verbal and non-verbal communication; mass communication; communication and society; and communication research.

Pre-requisite(s): None

COMM6129 - ORGANIZATIONAL COMMUNICATION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students will be able to: Describe the importance and pervasiveness of organizations in our society; Explain how the study of organizational communication developed and what makes this specialization of communication study unique; Understand the challenges and future directions of organizational communication.

Topics: The challenge of complicated world; communication in classical approaches; human relations and human approaches; studying organizational systems; cultural approaches in organizational communication; critical approaches in organizational communication; communication processes during socialization; decision – making; managing organizational conflict; emotion in the workplace; the multicultural organization; organizational communication technology; the changing landscape of organizations and leaderships.

Pre-requisite(s): None

COMM6172– INVESTIGATIVE JOURNALISM (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the differences between investigative journalism and other types of journalism; apply the basic knowledge of investigative journalism; recognize news stories that can be developed into investigative journalism; demonstrate proper research in conducting investigative journalism; as well as analyze ethical and legal problems that can occur in investigative journalism.

Topics: In this course students will practice one of the most challenging types of journalism. Therefore, this class will prepare students in how to choose a news story that is worth investigating, conducting proper research, weeding out reliable sources and hoaxes, and at the same time maintaining a good integrity as a responsible journalist.

Pre-requisite(s): Introduction to Journalism & Interview Techniques

COMM6247 – BROADCAST JOURNALISM & REPORTING (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: differentiate between broadcast journalism and other types of journalism; apply basic principles of broadcast journalism; demonstrate journalistic practices for broadcast media; demonstrate the ability to use proper equipment in conducting field reporting for broadcast journalism; develop journalistic skills in conducting field reporting for broadcast journalism; demonstrate effective journalism in conducting field reporting for broadcast journalism; demonstrate the ability to do research, interview, report, and write news stories; apply reportage skills in conducting broadcasts for TV programs; as well as apply news-casting skills in conducting broadcasts for TV programs.

Topics: The course introduces techniques in media production, in order to create effective journalism using words and pictures. This class practices the basic fundamentals of broadcast production, including writing, producing, and editing to create broadcasts for TV programs. The course introduces techniques in media production, in order to create effective journalism using words and pictures. This class practices the basic fundamentals of broadcast production, including writing, producing, and editing to create broadcasts for TV programs.

Pre-requisite(s): Introduction to Journalism & Interview Techniques

COMM6248 – NEW MEDIA & NEWSROOM MANAGEMENT (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: differentiate between printed media journalism and other types of journalism; apply basic principles of print media journalism; demonstrate journalistic skills for print media; develop an editorial ability for print media journalism; develop effective and essential skills in layout and picture editing for print publication; demonstrate effective journalism for print media; describe and discuss how editors perform multiple roles in the newsroom; illustrate newsroom structures, values, and practice; as well as identify global and local trends in media ownership and control.

Topics: The course introduces techniques in media production in order to create effective journalism using words and pictures. This class practices the basic fundamentals of broadcast production, including writing, producing, and editing to create broadcasts for TV programs. In this course, students are exposed to the foundations of the media industry in terms of leadership and planning, learn about the special ethical and legal responsibilities of newsroom managers, and learn about the risks which newsrooms may have to face in the future. Due to the practical nature of newsroom management, students are exposed to the practical processes of the newsroom and its management.

Pre-requisite(s): Introduction to Journalism & Interview Techniques

COMM6251– CRISIS COMMUNICATION & MEDIA RELATIONS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the basic concepts of media relations; explain the elements of media planning; demonstrate good communication skills with the media; identify issues in media relations; apply a strategic plan in communicating issues with the media; describe the role of public relations in crisis communication; identify crisis communication using the application of public relations theories; interpret a crisis communication situation using the application of public relations theories; interpret various aspects of crisis communication theories; apply a public relations plan to manage crisis communication; as well as analyze crisis communication case studies.

Topics: This course introduces students to planning and media relations as one of the interesting subjects in public relations management. By far, the most critical part of any corporate communication department is the media relations function. Its role as a disseminator of information to many of a firm's most important constituencies is more important today. This course explores what media relations professionals should do and how best to approach a group of journalists and how firms should try to communicate with the media through relationship building. The first step before reaching them is to understand a media organization and its content. For students, the main purpose of this course is to be able to design a fully conceptual media relations plan through an in-depth comprehension of a media organization and its content. This course explores the role of public relations in a communication crisis. It focuses on the management of communication crisis, emphasizing on the practical application of theories, strategies, and tactics from a public relations perspective.

Pre-requisite(s): Introduction to PR & Creative Advertising

COMM6252 – PUBLIC RELATIONS PUBLICATION (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: differentiate between public relations writing with other types of writing; recognize the importance of crafting and delivering a public relations message; demonstrate public relations writing techniques in making and delivering a public relations message; recognize ethical issues faced by PR writers; create effective public relations messages; analyze current public relations writing case studies; explain the definition of public relations as a tool of management; describe management problems in the tasks of

public relations; produce strategic plans and programs in taking actions and communicating with the community; as well as compare public relations programs with work realization related to public relations management.

Topics: This course emphasizes the strategies of constructing a public relations message using the skills of persuasive writing. The class demonstrates writing techniques based on the strategic design and development of effective public relations messages. The class explores public relations plans and program as a tool of management. The purpose of this course is to provide an introduction to public relations processes, principles, history, current practices, and future trends that relate to current public relations. The practices and applications of public relations in a management setting are emphasized throughout the course.

Pre-requisite(s): Introduction to PR & Creative Advertising

COMM6254 – DESIGN & PROMOTION (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply promotional strategies to a variety of case studies; develop visual design ideas in order to promote products or services for digital and non-digital publications; formulate visual designs and promotions to create a clear branding strategy; and analyze to which extent their efforts are successful.

Topic: Students will learn about how a variety of media utilizes graphic designs in order to strengthen their branding and their promotional strategies. The course will include company or guest visits in order to bring the topic closer to the students.

Pre-requisite(s): None

COMM6256 – MEDIA INDUSTRY (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: evaluate the use of their classroom knowledge in a real industry situation; evaluate internship experiences for their future careers; and evaluate the gaps between what is learned in the media industry and the classroom.

Topics: Through this course, students experience real situations in industry productions and reflect on these experiences in an evaluation report.

Pre-requisite(s): None

COMM6257 – COMMUNICATION AND NEW TECHNOLOGY (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: explain how different types of media affect different job descriptions and management styles in mass media industries; describe the political-economic power of mass media in a society; describe their own preferences and visions for their future careers in mass media; explain the logic and development of media technologies; explain business, management, programming, and regulation aspects of media technologies; as well as explain the consumption of media technologies and how it affects culture and social life.

Topics: This course provides holistic fundamental aspects of media industries, and their significance to the formation of social-political-cultural conditions, focusing on different topics such as debates between ideals and commerce, information and entertainment, the role of media as a public sphere, management styles, active audiences, and many other mass media related issues. The course takes students to different situations of media industries by exposing them to be open for public lectures by leading figures in each medium and/or job descriptions, followed by discussions. The class develops students' understanding about technical aspects, programming and management, regulations and consumption of broadcasting, cable, Internet, and audio video technologies, the transfer process between digital and analog formats, media exhibition and consumption technology, and their consequences to media production and viewing practices.

Pre-requisite(s): None

COMM6258 – EVENT AND NETWORKING MANAGEMENT (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the roles and purposes of events related to public relations and advertising; recognize the importance of management for events related to public relations and advertising; apply the techniques and strategies required to plan successful events related to public relations and advertising; as well as demonstrate managerial skills in producing successful events related to public relations and advertising.

Topics: This course is designed to introduce in-depth knowledge about the specialized field of events management. The class focuses on management techniques and strategies required for successful planning, promotion, and implementation to create successful events related to public relations and advertising.

Pre-requisite(s): None

COMM6382- INTRODUCTION TO SOCIOLOGY (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain key concepts in sociology and anthropology; review basic qualitative research method concepts and tools; review vertical stratification

(social classes and social mobility) and human variation based stratification (gender, race, ethnicity, and religion); explain personality, deviance, and social control; explain the dynamics of social changes and their relations to different sociological institutions, and how the mass media can affect it in local and global contexts; explain and identify different cultural elements in Indonesian daily life; explain cultural changes and their relations with history and the development of various cultural identities in Indonesia; produce a simple ethnographic film or essay on people and culture; as well as capture the essence of identity, people, and culture clearly and objectively.

Topics: This class introduces students to sociological basic assumptions, especially in explaining human beings in different social contexts. Moreover, it introduces students to anthropological basic assumptions, from cultural relativism (versus stereotypes that lead to racism, ethnocentrism, and chauvinism), followed by an introduction to ethnography and visual anthropology, and continues to an understanding of cultural values, norms, knowledge, and beliefs, followed by elements of culture. The class starts from society, socialization, interactions, groups, and social structures, which is followed by an introduction to quantitative methods: statistics, and questionnaires, and continues to an understanding of vertical and horizontal stratification. The class also introduces different social institutions such as education, religion, health, and social movements, all from macro and global perspectives. In classroom discussions, students mainly use cases of cultures, ethnic groups, and societies in Indonesia.

Pre-requisite(s): None

COMM6383 – PHILOSOPHY AND ETHICS OF COMMUNICATION (2 SCU)

Learning Outcomes: On successful completion of this course, students will be able to: understand the various concepts, theories and aspects of philosophy through a number of theorist's ideas; analyze the dynamics of the act of communication in different facets of framework; be critical on the media applications of communication technologies

Topics: Introduction; The structure of communication; Discourse and power; Language as a form of life; Speech act art; Theory of conversation; Intentionality of speech acts; Communication and social theory; Language and social semiotics.

Pre-requisite(s): None

COMM6384 – INTRODUCTION TO POLITICS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain political texts and theories; identify and explain the role of political elements for developments and applications, such as political parties, bureaucracy, the media, and the government in a political system; analyze the current political situation using suitable theories; and express their views on political issues both verbally and in writing.

Topics: This course is an introduction to the field of political science. It will introduce students to the formal study of politics. Students will become familiar with the basic vocabulary of the discipline, as well as develop critical thinking and writing skills. This course aims to provide students with analytical tools that will enhance their understanding in this field of study.

Pre-requisite(s): None

COMM6385 – INTERPERSONAL COMMUNICATION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain causal relation between personal communication and identities; Explain the interplay roles between human emotion, communication situation and successful interaction; Explain various tools and their effectiveness in interpersonal communication.

Topics: The class exposes students to communication between individuals: it explores the roles of individuals and how the process affects identities; it introduces the roles of human perception and language; it also overviews how the process depends on emotions and willingness of involved parties; the class also explores conditions for healthy interpersonal communication; and towards the end of the course students discuss their involvement in relationships between individuals by exploring various kinds of interpersonal communication.

Pre-requisite(s): None

COMM6386 – WRITING FUNDAMENTALS (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: explain critical, theoretical, and historical literary works; describe observed reality in writing; develop personal and subjective writing skills and styles to express their thoughts and feelings; create fiction writing; as well as review their writings and the writings of others.

Topics: The class introduces students to imaginative writing as both a craft and a form of self-expression; writing as a process; literary forms, styles, and genres; editing, revising, and reflecting; writing persuasive and expressive texts; and fiction writing.

Pre-requisite(s): None

COMM6389 – PUBLIC SPEAKING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the role of speakers as “credibility builders” for the audience and be aware of the non-verbal cues communicated by speakers to an audience (clothing, kinesics, postures, gestures, haptics, and paralinguistics); prepare research, practice organizational skills, and practice delivery skills for the preparation and presentation of speeches; extend their ability to listen critically and analyze public speeches; create and write their own public speeches and performances for a targeted audience (in person, through video and audio); extend the ability to perform in front of a broader audience.

Topics: The goal of this course is to prepare students to be confident and excellent communicators. The course is designed to teach students creatively in how to speak effectively in public and identify the characteristics of effective public speakers. In short, this course teaches students to prepare appropriate public speeches for different types of audiences and purposes and also to explain the roles of speakers to convey a message to the audience and be at their best in presenting verbally or non-verbally.

Pre-requisite(s): None

COMM6399 – ENTERTAINMENT NETWORKING & NEGOTIATION (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify networking opportunities; create industry relationships; develop entrepreneurial communication skills; organize networking events; argue and justify MOUs (mutual agreement of understanding); and evaluate whether certain MOUs are in their favor or not.

Topic: Entertainment Networking and Negotiation exposes students to a variety of networking venues and events. It allows the students to immerse themselves in casual business situations and master the ability to connect with others and build relationships and negotiate MOUs to grow and further their entrepreneurial endeavors.

Pre-requisite(s): None.

COMM6449 – CREATIVE AGENCY INDUSTRY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: differentiate between various creative agencies; assess new emerging careers in line with their personal interests within the entertainment communications industry; and develop the ability to predict future trends within the industry.

Topic: Creative Agency Industry is a course that exposes students to the local creative agency industry, including company visits and location visits, exploring different job opportunities and new emerging careers. Students will be able to align lessons learned about the various creative agencies to their personal career goals.

Pre-requisite(s): None

COMM6450 – SOCIAL MEDIA CONTENT STRATEGIES AND ANALYTICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Set up a set variety of social media; Apply technical strategies to increase content distribution and online visibility; Apply strategies to create interconnected social media according to best practice; Understand how to read analytical data.

Topic: This course is an immersion into content creation of social media and its interconnectivity in relation to the field of Communications. Participants will learn technical strategies from the perspective of entrepreneurs, advertisers and marketers.

Pre-requisite(s): None

COMM6451– PHOTOGRAPHY & BASIC VIDEOGRAPHY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate basic principles of photography and videography; practice the techniques of photography and videography in a communication context; understand how to produce photography and videography for different types of medium; as well as evaluate several photography and videography styles.

Topics: The goal of this course is to prepare students to have skills in photography and videography. The course is designed to teach students to practice photography and videography. In short, the course prepares students in how to take different angles of pictures for different types of audiences and purposes.

Pre-requisite(s): None

COMM6452 – INTRODUCTION TO JOURNALISM & INTERVIEW TECHNIQUES (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the basic principles and ethics of journalism; apply appropriate news writing techniques; explain the management process in journalism, explain the importance of media interviews in modern journalism; apply different media interview techniques; apply ethical codes related to interview techniques; and demonstrate proper interview techniques.

Topics: The course examines the basic principles and practices of journalism. The course will emphasize the development of reporting, interviewing, and writing for print, broadcast, and online formats, as well as provide an introduction to some issues such as regulations and ethics. This course is designed to teach students how to properly gather information through interviews. Nowadays, the media is evolving. It is crucial for students to know the different approaches in interviewing news sources for different types of media. Students will have to prepare stories where they have to gather the information through interviews.

Pre-requisite(s): None

COMM6453 – INTRO TO PR & CREATIVE ADVERTISING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the origins, tasks, and roles of public relations and advertising; explain public relations research, theories, ethics, and positive values in relations with the community; analyze public relations cases using appropriate theories and techniques; design a public relations plan using appropriate techniques; explain the principles of advertising and its impact on society; explain the structure of an advertising company and its respective roles; apply appropriate processes in making a good advertisement; as well as interpret and apply the results of market research and consumer knowledge to design suitable advertising.

Topics: The class exposes students to the roles and tasks of public relations and advertising. It explores the development of Public Relations, in the world and in an Indonesian context and to Public Relations trends. This course is also an introduction to advertising in terms of how we create an ad depending on the brand. Knowledge of the brand is essential, which is why this course will focus on understanding the society in which the brand exists, the impact of advertising in society, market research, and agency structure to execute good advertising. In the beginning of the class, students will discuss theories and towards the end of the class they will also discuss the ethics of Public Relations and advertising and also their implications to the laws. In a practical side, the class also discusses strategic management in Public Relations and the advertising practice, different communication channels and the types of media, as well as public relations and advertising strategies and campaigns.

Pre-requisite(s): None

COMM8108 – PSYCHOLOGY OF COMMUNICATION (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain basic psychology assumptions and concepts such as: perception, cognition, attention, emotion, personality, behavior, etc.; explain basic psychology methods; write short psychological profiles; explain basic social psychology assumptions; evaluate the development of human minds, feelings, and actions in different specific social contexts; as well as explain a basic understanding of psychoanalysis.

Topics: The course introduces students to psychology and social psychology, especially in explaining the development of the human mind and actions in different aspects of individual and social contexts.

Pre-requisite(s): None

SUBJECT AREA: COMP

COMP6056 – PROGRAM DESIGN METHODS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the basic principles of computing and programming; design algorithmic solutions to problems; use programming logic and different programming techniques to produce innovative computing practices; employ the fundamental idea of dividing a program into components; apply the program division for debugging, maintenance and reuse.

Topics: This course develops skills in program design and implementation by applying the concepts of computer fundamentals and logic formulation. It also covers the study of the different tools and techniques available in developing computer program logic such as flowcharts and pseudo code.

Pre-requisite(s): None

COMP6128 – THESIS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students will learn to work individually by conducting research or developing a major project, plan and coordinate development activities, make realistic work commitments, present and document the research done effectively given a deadline. Students will get the experience of undertaking and completing a piece of research, applying techniques learned throughout the program, including the technical skills of analysis, design and implementation.

Topics: None (seminar workshops as needed)

Pre-requisite(s): Finished 128 SCU

COMP6210 - ETHICAL HACKING AND PENETRATION TESTING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply the principles of penetration testing; identify various methods of gathering information to launch an attack; apply the principles of ethical hacking for professional responsibilities; and analyze the impact of a vulnerability to the security of the stakeholders.

Topics: This course prepares students to perform offensive security for the purpose of penetration testing. It introduces hacking tools, techniques, and the theories behind how the tools are used and where they work. The materials follow ethical hacking steps such as foot printing, enumeration, system hacking, escalating privilege, and covering tracks. Areas of instruction include setting up a lab to act as a victim, understanding vulnerabilities of operating systems, and using various tools used by hackers to access unauthorized information. The course includes a hands-on lab on attacking and defending the systems and network.

Pre-requisite(s): Computer Networks and Security

COMP6340 - ANALYSIS OF ALGORITHMS (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify basic ideas about algorithms; describe the concepts of time and space complexity and the big-O notation; explain the main approaches to design efficient algorithms; analyze complexity measures of algorithms; demonstrate a familiarity with major algorithms and data structures; apply important algorithmic design paradigms and methods of analysis; design a system appropriate to a given computing model; and apply theoretical knowledge in practice.

Topics: The course provides students with fundamental techniques for designing and analyzing algorithms, including asymptotic analysis; divide-and-conquer algorithms; greedy algorithms; data structures; dynamic programming; and graph algorithms. Upon successful completion of this course, students are expected to be able to understand basic ideas about algorithms, understanding the concepts of time and space complexity and the big-O notation, understand main approaches to design efficient algorithms, and analyze the complexity measures of algorithms.

Pre-requisite(s): Introduction to Programming

COMP6341 - MULTIMEDIA AND HUMAN COMPUTER INTERACTION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to describe the characteristics of different media and data formats, use appropriate types of media in multimedia project and assignments, explain theories and conceptual frameworks and methods of the human aspects of user interface, use markup languages, style sheets and scripting language to design web pages, analyze user interface difficulties, pitfalls and requirements of translating theory and principles on system design, distinguish the different compression principles, techniques and multimedia compression standards, present a complete multimedia project while applying appropriate techniques of user interface according to the user's requirements using the latest visual programming.

Topics: The course will give the computer science student an insight about the proper method to design any program or computer system by acknowledging the fact that the end users of the product or system are human being with their capabilities and limitations and also teach the multimedia technologies, systems and applications and multimedia implementation in the professional world. Through recognition of behavior and characteristics of human as users (human aspects) and the computer system as product (technology aspects) the students will understand how to optimize the interaction within the broad 'man-machine' system and achieve successful acceptable and productive computer applications/system design.

Pre-requisite(s): None

COMP6343 - WEB APPLICATION DEVELOPMENT AND SECURITY (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to apply basic knowledge of the scripting languages, content management system (CMS) and framework in computing. Identify web application vulnerabilities, create a dynamic web application using CMS that implements server-side scripting and database access capabilities, create relational databases within a web-server environment, employ scripting language framework to develop a web applications following the model-view-controller (MVC) architectural pattern, explain the various protection against internet attacks, construct a web programming module through a snippet of code Identify the configuration of the parameters required to set an underlying computing system, recognize the alternative solution with its advantage and disadvantage, classify the available solution to balance between function and user friendliness and build a useful web solution that complies with the requirements.

Topics: This course is designed to teach the major web-related topics with several technologies as a unifying theme. It introduces students to the concepts and techniques of a dynamic web page construction, basic web protocols, explore design issues and techniques, and its implementation in Scripting language and Java server-side programming. Students will be exposed to development using those programming languages in solving common problems in the areas of development, and systems administration on a particular operating systems platform. In previous computer science courses,

students gain experience in a wide variety of 'traditional' programming languages in procedural, declarative and object-oriented flavors. This course addresses the design of languages for contemporary computing applications, in particular scripting languages, which are an area of great topical interest. The study of web programming languages and their applications introduces the student to new ways of programming, and leads on to the area of component-based software, a technology of great importance to the next generation of software systems including computer games and web development.

Pre-requisite(s): Programming Languages

COMP6345 - INTELLIGENT SYSTEMS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain the principles of artificial intelligence; define and apply appropriate computing and mathematical techniques in an artificial intelligence application; and analyze the computing requirements appropriate to solve a computing problem in artificial intelligence and implement AI algorithms and/or experiment with tools.

Topics: The course provides students with the knowledge of artificial intelligence (AI) concepts and enables them to develop intelligent programs. The course covers the basic intelligent building blocks such as solution searching algorithms, knowledge representation, logical reasoning (inference), and learning algorithms that allow an intelligent agent to operate autonomously in a complex environment to achieve its design purpose. It also covers the history of AI, the present, the future, and the challenges that will broaden the students' perspectives on the field. Some projects that require programming work will provide the students with the opportunity to apply various techniques learned in the class to solve practical problems.

Pre-requisite(s): Analysis of Algorithms

COMP6348 - NETWORK FORENSICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain and apply the principles in the construction of a secure network; define the parameters to achieve a higher degree of secure system; identify the requirements to have a desired state of a system; develop a set of rules, algorithms, or program to meet the desired needs of a computing system; and apply the techniques and tools to produce an innovative security computing solution.

Topics: Forensics is a discipline that learns how to reconstruct past actions. This course offers methodologies in digital forensics that analyze computer environments and network data to investigate a possible intrusion. It details the steps from sampling an evidence material, reconstructing a crime scene chronologically, and analyzing the damage that the intruder might have caused. Upon successful completion of this course, students are expected to be able to: explain and apply the principles in the construction of a secure network; define the parameters to achieve a higher degree of a secure system; identify the requirements to have a desired state of a system; develop a set of rules, algorithms, or program to meet the desired needs of a computing system; and apply the techniques and tools to produce an innovative security computing solution.

Pre-requisite(s): Computer Networks and Security

COMP6349 – INDUSTRY EXPERIENCE I (8 SCU)

Learning Outcomes: Upon successful completion of the course, the student should be able gain practical experience within the business environment, acquire knowledge of the industry in which the internship is done, apply knowledge and skills learned in the classroom in a work setting, develop a greater understanding about career options while more clearly defining personal career goals, experience the activities and functions of business professionals, develop and refine oral and written communication skills, and identify areas for future knowledge and skill development.

Topics: (seminar workshops as needed)

Pre-requisite(s): Finished all courses from semester 1 - 5

COMP6350 – SOFTWARE DEVELOPMENT PRACTICE (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: design and implement software based on requirements, oversee a project progress in terms of the requirements, progress of the work, and implementation, practices followed and quality of code, the ability to accommodate reasonable change in requirements, feature completeness, and progress in terms of a schedule will be considered. Use of tools, techniques, practices, and facilities that reduce risk and promote probability of success will be encouraged.

Topics: The objective of this course is to bring the students up to speed on the pragmatics of software development. In this hands-on course, the students will work towards developing industrial-strength software systems using state of the art techniques and tools. An emphasis will be placed on estimation, planning, risk management, automated testing,

development, and deployment. Various good practices in software development, including pragmatic programming and agile software development practices, will be emphasized.

Pre-requisite(s): None

COMP6351 – SOFTWARE QUALITY PRACTICE (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the relations among software products, processes, and projects in quality management and engineering; propose appropriate processes and quality models for developing and assessing software products and processes; describe and apply good management and engineering practices for the development of quality software; as well as describe and evaluate quality systems and established standards related to software products and processes.

Topics: This course aims to equip students with in-depth knowledge and techniques of good practices in software quality process activities. It prepares students to develop high-quality software using proven techniques and established standards in software quality management and engineering.

Pre-requisite(s): None

COMP6352 – INDUSTRY EXPERIENCE II (8 SCU)

Learning Outcomes: Upon successful completion of the course, the student should be able to apply classroom and laboratory concepts and principles in an industry work environment, establish goals by working with supervision to define work objectives for the internship experience, demonstrate time and project management skills by completing the work objectives within the specified time limits, demonstrate the ability to effectively present ideas and solutions in the context of written, oral, and electronic media, demonstrate the ability to work as a team member to successfully complete the assigned work objectives in an assigned company work group and demonstrate and promote a proper work ethic.

Topics: (seminar workshops as needed)

Pre-requisite(s): Finished all courses from semester 1 – 5

COMP6353 – INFORMATION TECHNOLOGY IN INDUSTRY (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: develop information and software technology solutions through project work both individually and collaboratively; make appropriate use of and informed choices about information and computer technology both at a personal level and in the workplace; and develop interest in, enjoyment of, and critical reflection about information and computer technology as an integral part of modern society.

Topics: This course aims to provide students with specialized knowledge of past, current, and emerging technologies, data, hardware, software and people involved in the field of information and computer technology. The core also includes legal, ethical, social, and industrial issues. Students will be prepared for future developments and directions in the exciting and challenging field of information and computer technology.

Pre-requisite(s): None

COMP6354 – IT PROJECT PRACTICE (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: understand the job roles of an IT project manager; recognize key issues during IT project management procedures; describe the best practices in IT project management processes; build a performing organization and project team; develop work breakdown structures (WBS); establish project estimates and project schedules; create project plans; manage overall change control; control project execution processes; terminate a project with a close-out strategy; and build up baseline knowledge for a further career in IT project management fields.

Topics: This course aims to provide students with the skills necessary to conduct an IT project including initiating, planning, controlling, executing, and closing projects. The course also shows how IT projects should be managed, from inception to post-implementation review. The students who take this course will likely improve their management skills and abilities to define the project scope, create a workable project plan, and manage within the budget and schedule. The course teaches how to manage projects rather than how to administer a methodology.

Pre-requisite(s): None

COMP6502 - INTRODUCTION TO PROGRAMMING (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply principles of Python programming in designing and developing a program; translate a specified algorithm into correct self-documented Python code using generally accepted programming style; identify programming errors and solution requirements toward the problem; demonstrate knowledge and skills pertaining to the fundamental building blocks of object oriented programming; use powerful Python libraries and tools, including matplotlib, NumPy, and Pygal; create 2D games that respond to

keypresses and mouse clicks, and that grow more difficult as the game progresses; use data to generate interactive visualizations; create secure Web apps.

Topics: This course is designed as a fast-paced, thorough introduction to Python that will have students writing programs and solving problems. Students learn about basic programming concepts, such as lists, dictionaries, classes, and loops, and practice writing clean and readable code with exercises for each topic. They also learn how to make interactive programs and how to test code safely before adding it to a project. Students put their new knowledge into practice with substantial projects and work with Python's super-handly libraries.

Pre-requisite(s): None

COMP6504 - COMPUTER ARCHITECTURE AND OPERATING SYSTEMS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to define the components of the general computing system architecture, identify the configuration of the parameters required to set an underlying computing system, apply appropriate method to achieve a correct result of a mathematical computation, classify Operating System techniques according to its principles, describe available methods and protocols to perform a computing job, assess the efficiency of techniques for managing computing resources, describe a comparative discussion of various approaches to process scheduling and provide a survey of threats and mechanisms for providing computer and network security.

Topics: The course is designed to explain about computer architecture, which includes Computer Evolution and Performance, Computer Interconnection Structures, Computer Arithmetic, Instruction Sets, CPU Structure and Function, RISC, Control Unit Operation, Micro programmed Control, Multiprocessors, Digital Logic, Internal and External Memory, I/O, Operating Systems Support, and File Management.

Pre-requisite(s): None

COMP6505 - COMPUTER GRAPHICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain and apply the principles and components of computer graphics; apply appropriate mathematical and programming concepts to computer graphics applications; analyze problems related to and requirements appropriate for computer graphics solutions; design, develop, and execute graphics programs using WebGL API; write and present computer graphics applications effectively; and apply appropriate techniques in creating graphics programs.

Topics: This course is designed to introduce students to the fundamental concept of computer graphics and its application programming interfaces for graphics pipeline hardware architecture. Students will learn the theory of computer graphics generation and graphics programming through lectures, lab sessions, and projects that must be completed and presented throughout the course.

Pre-requisite(s): Introduction to Programming

COMP6506 - PERVASIVE SOFTWARE ENGINEERING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply design and development principles in the construction of mobile software systems; analyze a problem, identify and define the computing requirements appropriate to its solution; conceive and develop an app for a mobile computing platform that addresses a social or educational need or business opportunity; apply current techniques, skills, and tools creatively to produce innovative mobile applications; demonstrate effective teamwork to accomplish a common goal; use software development tools such as program development environments, configuration management systems, software modeling tools, and testing tools; understand the issues concerning software safety and ethical issues in software engineering; and use appropriate software design patterns and API's.

Topics: The aim of this course is to study the design and implementation of modern computing systems that are built on distributed states and where the general course goal is for students to be able to develop the implementation of pervasive and mobile systems which are built on distributed states and where multiple devices communicate with each other (for instance systems based on sensors and actuators). With the proliferation of wireless networking techniques and small but smart devices, mobile and pervasive computing is gradually moving from myth to reality. It has the potential to profoundly change the way we use computers and the way information technologies serve people. The goal of this course is to introduce students to the visions and challenges of mobile and pervasive computing and to discuss the principles and practice that make it possible. The course will help students to learn about and investigate the emerging issues in pervasive environments. A major focus will be on components that build pervasive computing systems: smart devices, smart environments, and smart services and interactions with users.

Pre-requisite(s): Programming Languages

COMP6510 - PROGRAMMING LANGUAGES (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify the computing requirements appropriate to solve a problem; apply appropriate knowledge and skills relevant to the fundamental building blocks of object-oriented programming; analyze computing problems and requirements appropriate for solutions; develop an application using the Java programming language; apply appropriate data structures and simple algorithms for solving computing problems and design computer programs by applying different data structures and related algorithms.

Topics: This course is an introduction to object-oriented programming using Java. It provides a detailed discussion of different object – oriented programming concepts including classes, objects, encapsulation, inheritance and polymorphism. Event handling, exception handling and API programming are also taught to the students in this course.

Pre-requisite(s): None

COMP6569 – ICT SERVICES CONVERGENCE (2 SCU)

Learning Outcomes: As society is transformed by the rise of digital technologies of computation, communication, and information, this course examines the interdisciplinary nature of services, integrating across technology, domain- specific issues, and social and cultural implications. Students encourage each other to generate creative ideas in the design of platform-based contents, applications and services. Students share the mission to be integration platform leaders and vision to build a wonderful community together. Students encourage each other to generate creative ideas in the design of platform-based contents, applications and services.

Topics: The course covers several aspects of diverse IT convergence topics such as smart farming, platforms, eGov, smart city, game/gamification, media production, Cloud, AI, IoT, big data, Blockchain, and others.

Pre-requisite(s): None

COMP6570 - DISCRETE STRUCTURES (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to define basic discrete structures and its properties including: logic proposition, sets, finite automata, grammars, and matrix, define the notion of mathematical thinking, mathematical proofs, and recursion, apply techniques for propositional logic reasoning, apply techniques for solving system of linear equation and object geometric manipulation and apply techniques for grammar representation and string parsing.

Topics: Topics covered in this course include concepts of logic and proof; concepts of the language of mathematics including sets, sequences, number systems, relations; algorithms; concepts of counting methods such as permutations and combinations, and discrete probability; concepts of graphs and trees; and Boolean algebra. In addressing the problems students will also gain skills in writing grammars, automata manipulations, regular expressions, proof techniques and reasoning about computational capabilities, representation and string parsing.

Pre-requisite(s): None

COMP6571 – DATA STRUCTURES AND ALGORITHMS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the use of various data structure; explain and apply appropriate operations for maintaining common data structures; apply appropriate data structures and simple algorithms for solving computing problems; design computer programs by applying different data structures and related algorithms; explain the efficiency of some basic algorithms; design efficient software solutions that are appropriate for specific problems.

Topics: This course serves as a one of the foundation courses in Computer Science. It provides students with an understanding of the principles of data structures and algorithms in the design and development of computer software. Students will learn basic data structures and its use in different algorithms that are commonly used in making structured and efficient software programs. Part of the course will also cover a brief introduction in the analysis of algorithms. Students are expected to have taken an introductory course in programming using C/C++.

Pre-requisite(s): None

COMP6572 - COMPUTATIONAL MATHEMATICS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to recognize numerical computation and error propagation in approximated solutions, apply computational method for visualizing central tendency and distribution of dataset, apply computational method to approximate function with series, apply computational method to obtain approximation solution for statistical or calculus problems and be able to apply computational method to solve problem in a student selected domain.

Topics: This course provides an introduction to numerical computation method for computing approximate solution to solve problems using statistical and calculus techniques. The material is presented using problem oriented perspective with examples from the applied sciences. Topics to be covered include: working with numbers and error propagation, visualizing

data with graphs, describing data with statistics, algebra and symbolic math with sympy, solving calculus problems, error and error propagation handling, drawing random numbers, computing probabilities, sequence and difference equation, introduction to discrete function, differentiation becomes finite differences, integration becomes summation, and project presentation.

Pre-requisite(s): None

COMP6573 - CLOUD AND DISTRIBUTED SYSTEMS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to compare the operation, implementation, and performance of Cloud Computing systems, and the relative merits and suitability of each for complex data-intensive applications; explain and characterize different Cloud Computing models, namely, infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS); identify security implications in Cloud Computing and analyze the trade-offs inherent in Cloud Computing; identify appropriate design choices when solving real-world Cloud Computing problems and make recommendations on Cloud Computing solutions for an enterprise; apply different distributed application development methods and techniques, including the use of Cloud administration and application development tools and API; and work in teams to contribute, evaluate, and provide feedback on case studies on different Cloud Computing solutions.

Topics: This course is designed to introduce the principles of Distributed Systems. The most important principles covered in class are communication, processes, naming, synchronization, consistency and replication, fault tolerance, and security. Cloud Computing systems today, whether open-source or used inside companies, are built using a common set of core techniques, algorithms, and design philosophies—all centered on distributed systems. Students learn about such fundamental distributed computing "concepts" for Cloud Computing. This course covers Internet technology and network-based computing systems, including Clouds, clusters, datacenters, grids/P2P, and the 'Internet of Things' (IoT).

Pre-requisite(s): Computer Networks and Security

COMP6574 – DATA SCIENCE (2 SCU)

Learning Outcomes: After successful completion of this course, students will be able to use Python and other tools to scrape, clean, and process data, use data management techniques to store data locally and in cloud infrastructures, use statistical methods and visualization to quickly explore data, apply statistics and computational analysis to make predictions based on data, apply basic computer science concepts such as modularity, abstraction, and encapsulation to data analysis problems and effectively communicate the outcome of data analysis using descriptive statistics and visualizations.

Topics: Through real-world examples of wide interest, students are introduced to methods regarding the five key facets of an investigation which are: data munging/scraping/sampling/cleaning in order to get an informative, manageable data set, data storage and management in order to be able to access data - especially big data quickly and reliably during subsequent analysis, exploratory data analysis to generate hypotheses and intuition about the data, prediction based on statistical tools such as regression, classification, and clustering, communication of results through visualization, stories, and interpretable summaries.

Pre-requisite(s): Intelligent Systems

SUBJECT AREA: CPEN

CPEN6212 - COMPUTER NETWORKS AND SECURITY (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to Identify web application vulnerabilities, define exploit techniques out of a given vulnerability, apply defense methods to web systems, explain key networking concepts, principles, design issues and techniques at all protocol layers, apply layered communication architectures (OSI and TCP/IP), describe the Internet architecture, relevant features of TCP/IP protocols, and unique characteristics of Ethernet and Wireless LANs, use the basic knowledge of cryptography and network security and use software tools for network troubleshooting and analyzing.

Topics: This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Labs use a "model Internet" to allow students to analyze real data without affecting production networks. Packet Tracer (PT) activities help students analyze protocol and network operation and build small networks in a simulated environment. At the end of the course, students build simple LAN topologies by applying basic principles of cabling; performing basic configurations of network devices, including routers and switches; and implementing IP addressing schemes.

Pre-requisite(s): None

SUBJECT AREA: DSGN**DSGN6098 – COLOR THEORY (4 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and explain spectrum color; apply spectrum color in projects; analyze the interaction of color elements and apply color interaction; explain and apply theoretical and practical aspects of the common elements and vocabulary of color theory; Use appropriate color to effectively communicate the message to the audience.

Topics: This course offers an in-depth study of the elements, principles of color and design theory. Students will gain an understanding of color principles using scheme that include analogous split-complimentary color palettes. The students will explore concepts of color psychology, advancing/receding color, simultaneous contrast, color proportion, value, saturation and the influence of light temperature on color. All projects will incorporate design principles such as unity, balance, emphasis and contrast.

Pre-requisite(s): None

DSGN6099 – DRAWING I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and explain the basic principles of drawing, such as perspective, composition, form, space, depth; Apply the rendering skill using traditional media to produce nice and correct drawing; Explain and review own work and the work of others; Produce artworks by working from direct observation or imagination; Communicate effectively with a range of audience through visual presentation and verbal communication skills.

Topics: This studio course teaches basic techniques in drawing such as rendering using traditional media, perspective drawing, composition, depth, form, and space. The drawing method includes drawing from direct observation and from imagination of still life, landscape and architecture. While taking the students through the illustration process from concept to finished artwork, verbal skills are also developed through critique and class discussion.

Pre-requisite(s): None

DSGN6100 – DRAWING II (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to Understand the basic structure of human and animal figure from inside out, Understand the movement of human and animal, Master the rendering skill of human, animal, landscape, and architecture using traditional media (pen/ink, charcoal, and pencil), Performing various rendering exercises for human figure and animal, Produce a finished illustration piece that emulates all those skills and principles for the final project.

Topics: This course reinforces on the structure and anatomy of the human figure and animals. With the foundation from Drawing 1, students render proportion, weight, form and mass gesture, light and shadow of the figure using different technique of mark making. Composition and rendering skills are important to produce good and anatomically correct drawing, either from direct observation or from imagination. The students are also trained to critique each other's work.

Pre-requisite(s): Drawing I

DSGN6101 – DESIGN AND MATERIALS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify work that applies perceptual acuity of the elements of design, conceptual understanding in structure and principle of design; employ the principles and elements of design in various media; combine design elements & structures; exhibit and explain their work; review and criticize their work and the work of others.

Topics: This studio course teaches basic techniques in two-dimensional design. This course builds student's ability to apply elements and principles of design in conceptual, visual, relational and constructional approach. The course also enables students to experiment with design elements and structure, developing self-exploratory and imaginative abilities. Verbal skills are also developed through critique and class discussion.

Pre-requisite(s): None

DSGN6104 – TYPOGRAPHY I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to Analyze the diversity of typefaces and be able to distinguish different characteristic of classical typefaces, Analyze components of letterform and be able to identify fundamental part of the anatomy., Create conceptual typography artwork that demonstrates the related knowledge on various typefaces, Illustrate letterforms as images and work with a high craftsmanship technical skill, Exhibit the students' work and have them contribute in critiques and discussions of their work and the work of others.

Topics: This course teaches hand lettering of classic, historically relevant typographic forms which constitute the foundation of contemporary typographic aesthetics. It trains students' eyes and hands, and encourages a high-level perception of

differences inherent in alphabets of various styles. The craft of typography is introduced, including type specification, copy fitting and kerning. This course emphasizes on the deep understanding of the terminologies in typography.

Pre-requisite(s): None

DSGN6165 – WESTERN ART REVIEW (2 SCU)

Learning Outcomes: This course examines the Western Art starting from prehistoric to twentieth century. Students will learn the various historic developments of Western Art, relate it with the development of graphic design and apply it into the design works. This course covers important artists, movements, and masterpieces in Western Art History.

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Pre-requisite(s): None

DSGN6166 – EASTERN ART REVIEW (3 SCU)

Learning Outcomes: This course examines the Indonesian art and culture, from prehistoric, Islamic culture to the end of Netherlands Indies modern art. Students will learn the various historic developments of Indonesian culture, relate the history of Indonesian art with the development of graphic design and apply the cultural historic of Indonesian art into the design works. This course also covers important artists, movements, artifacts and masterpieces of Indonesian Art History.

Topics: This course examines the Indonesian art and culture, from prehistoric, Islamic culture to the end of Netherlands Indies modern art. Students will learn the various historic developments of Indonesian culture, relate the history of Indonesian art with the development of graphic design and apply the cultural historic of Indonesian art into the design works. This course also covers important artists, movements, artifacts and masterpieces of Indonesian Art History.

Pre-requisite(s): None

DSGN6190 – SCREEN DESIGN DEVELOPMENT II (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to Apply design knowledge and build visual prototype in screen design development; Analyze and criticize aesthetic, technical and conceptual aspects and quality of screen design; Utilize appropriate IT applications in the development of screen design project; Apply creative thinking in producing innovative screen design project.

Topics: This course continues the foundation of Interactivity in screen design. In this course students will get a better understanding of screen based design focuses in Interactivity. They will learn to design an interactive project especially using a game as a medium. Focusing on level design, Students will experiment and produce a various project based on the theme given and limitation of the platform. At the end of this course students will have to produce a project according principles of screen design study. This course needs a Teaching Assistant to help facilitate students in the workshop aspect of the class sessions.

Pre-requisite(s): Screen Design Development I

DSGN6230 – ANIMATION STUDIO I (3 SCU)

Learning Outcomes: Students are expected to be able to create a short animated film in two dimension using appropriate software for animation production which demonstrates perceptual acuity in basic principles of animation, conceptual understanding, and technical facility at entry level in the field of Digital Animation while integrating visual elements.

Topics: Skill development in the use of software to develop storyboards and two-dimensional animation based on the principles of animation including creating, importing, and sequencing media elements to create multimedia presentation and short animation. Emphasis is on conceptualization, creativity, and visual aesthetics.

Pre-requisite(s): None

DSGN6287 – VISUAL COMMUNICATION DESIGN REVIEWS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze the works of artists that has influenced the Graphic Design History perceptively as well as evaluating them critically; analyze the major timeframes, movements, and the works of artists in Graphic Design History, and how they may affect and be affected by the dynamic changes of own culture, and how they would accommodate today's design in terms of style.

Topics: This course examines graphic design development from the beginning of graphic design in ancient era to Post Modernism. Beside the time frame, this course also covers design movements, important designers, design media as well as the development of technology in graphic design.

Pre-requisite(s): None

DSGN6292 – ANIMATION STUDIO II (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to Construct project that demonstrates perceptual acuity in basic principles of animation, conceptual understanding, and technical facility at entry level in the field of Digital Animation; Demonstrate the ability to integrate visual elements and creating a short animated film in three dimensions using appropriate software for animation production; Demonstrate a working knowledge of technologies such as animation software and equipment applicable in the digital animation; Exhibit their animation work and contribute in critiques and discussions of their work and the work of others.

Topics: This course expands the previous knowledge of Digital Animation I with additional techniques, especially about real-time rendering and exporting to various media such as Web, Game Engine, or Video Production packages.

Pre-requisite(s): Animation Studio I

DSGN6293 – AUDIO VISUAL I (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain and apply the basic principles and roles of audio visual, plan and manage an audio visual production process, utilize appropriate technologies in audio visual production

Topics: This course provides fundamental aspects of Digital Video comprehension both technical skills and current issues in surrounding field. The students will be introduced about time based media, and to understand the basic principles of audiovisual production, focusing on the skill of creating storyboards in collaboration with visual language, audio elements, and timing. Those combinations are essential in television industry and film production. This course will be ended up with Final project to produce a movie creation that captured and edited by students.

Pre-requisite(s): None

DSGN6311 – INTERNSHIP (6 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to demonstrate a working knowledge of various art and design problems by implementing capabilities in analysis, technologies and equipment applicable to the area of graphic design in seeking for and implementing appropriate design solutions; exhibit the students' work and contribute in critiques and discussions of their work and the work of others; demonstrate an understanding of professional, ethical and social responsibilities including working effectively in a team to accomplish a common goal; communicate effectively with various audiences.

Topics: This course requires students to intern at a design/advertising or any related company for the whole semester. At the end of the internship period, each individual student is required to submit a written report reflecting upon their tasks and responsibilities during the internship program.

Pre-requisite(s): Design Studies III or Interactive Design Studies III

DSGN6312 – MULTIMEDIA I (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply design knowledge and build visual prototype as a problem-solving, analyse and criticise aesthetic, technical and conceptual aspects and quality of visual design, utilise appropriate IT applications in the development of design project, apply creative thinking in producing innovative design solution

Topics: This course provides basic principles of web design and technical skills in utilizing Dreamweaver and Flash. In this course, the students will learn all stages in preparing and producing a website. They will also learn to determine appropriate concepts to create an efficient website that contains a variety of elements from text, graphic, image, sound and animation. At the end of semester, the students have to produce a final web-design project.

Pre-requisite(s): None

DSGN6315 – PRE-PRESS PRINTING (3 SCU)

Learning Outcomes: Students are expected to be able to not only identify and explain basic skills in prepress printing process, but also produce final art complying to the standard of ready-to-print document by using Pre-flight Checking Form by using the appropriate software to prepare the product to print.

In doing so they must be able to apply and integrate fundamental production techniques and elements by using necessary graphic design software and choose the suitable printing technique according to the characteristic of each process.

Topics: The course will develop an understanding of the Production Flow & Terminologies in contemporary printing methods as well as to understand the complexity of various print production media. This will enable the student to examine possible areas for confusion in both 'upstream' and 'downstream' communications during preparing, editing, and production and examining the outcome expected. Through this course students also learn how to do printing and knowledge on entrepreneurship from the related industry.

Pre-requisite(s): None

DSGN6319 – SOUND PRODUCTION (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to construct work that demonstrates perceptual acuity in Sound development, conceptual understanding, and technical facility at a professional entry level in the field of Sound Design; demonstrate the ability to applying sound elements into individual / collaborative project; demonstrate the ability to adapt of conducting research and conceptual thinking in historical, cultural, and stylistic contexts at an advanced level;; exhibit their design work and contribute in critiques and discussions of their work and the work of others.

Topic: Students analyze use of sound in past and present film, videogames, and interactive media spaces, from an historic and cultural perspective. Through individual and collaborative assignments, students learn how sound can be developed and used to communicate effectively and enhance experiences in interactive digital media environments.

Pre-requisite(s): None

DSGN6323 – TYPOGRAPHY III (4 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to explain and apply typography aspects in Graphic Design, interpret and illustrate the using of Grid System, explore possibilities in experimental typography layout, including color shape aspects, create conceptual book that demonstrate the understanding of functional typography lay out as well as experimental typography layout, exhibit their work, giving critical opinion and appreciation of their works and the work of others.

Topics: After studying individual letterform and working on letterform components, the students will learn more aspect in this class. Typography III class will build the students' capability into a higher level in working with other typographic elements. The students will not just learning some fundamental rules in creating page layout but also will be giving the opportunity to 'break' those rules to go further into experimental aspect of typography layout.

Pre-requisite(s): None

DSGN6390 – FUNDAMENTAL PRINCIPLES OF DESIGN (4 SCU)

Learning Outcomes: Students are expected to be able to describe and explain graphic design as a study, art, and the future career in the field. They must be able to identify, describe and apply basic theory and techniques in graphic design and visual communication, and then apply basic skills in using appropriate technology on project works which must communicate effectively to their range of audience, and exhibit the project.

Topics: This studio course teaches basic terms, comprehensions, and layouts in the world of graphic design, such as brainstorming methods, thumbnail sketches, positive and negative spaces, cropping, etc. Class projects will be based on manual sketches and exercises, projects gear for explorations and experimentations as well as each student's personal interest. While taking the students through the graphic design process from concept to finished projects, verbal skills are also developed through critiques and class discussions.

Pre-requisite(s): None

DSGN6391 – DESIGN STUDIES I (9 SCU)

Learning Outcomes: Students must be able to explain the basic understanding of layout design and employ proper hierarchy system in constructing various design elements and integrating other design principles. Upon which, use different kinds of grid systems and combine them with other visual elements and then identify and apply suitable desktop publishing technologies.

The proper media application and graphic tools are then used to construct publishing projects, which must also contain multiple pages of documents, integrating design principles, typography. Students must be able to exhibit their work and have them contribute in critiques and discussions of their work and the work of others.

Topics: Design Studies I brings students to implement their knowledge from previous semesters into creation of layout using grids in variant two-dimensional projects syntactically, applying techniques learned in Computer Graphic I. Student will learn semantic, syntactic and pragmatic aspect in design as well as graphic system through exercises and projects utilizing graphic related tools, hardware and software. Previous knowledge of Graphic Design I, color and visual design analysis will be integrated into a series of projects, applying graphic design workflow from paper-screen-to print.

Pre-requisite(s): Computer Graphic I; Fundamental Principles of Design

DSGN6392 – DESIGN STUDIES II (9 SCU)

Learning Outcomes: Students would be able to analyze and explain the creative process of the design and functions of a packaging. After conducting research to develop strategy and concept in the industry, implement the results in constructing and producing 2D and 3D packaging redesign prototype that demonstrates perceptual acuity of packaging, understanding of the principles of design language such as visual continuity, and technical facility in the field of graphic design.

Topics: The course is focusing on exploring a number of approaches in understanding how visual information plays a major role in thought processes and alternative ways of approaching analytical through visual engagement. This is considered as visual thinking; an introduction to the study of perception. In Design Studies II these approaches in visual thinking will be brought to practice in the form of packaging project, encompassing the many aspects of packaging i.e. packaging as an art form, as a marketing tool, and as a tool for helping preserve the environment. Students will be expected to submit a project along with their rationale and report on their thinking process, and to present it in front of the class at the end of the semester. Participation, attention, and enthusiasm to the projects are crucial. Project presentation is obligatory. The course will need a Teaching Assistant (TA) to facilitate students in the workshop aspect of the class, and in independent study sessions.

Pre-requisite(s): Design Studies I

DSGN6393 – DESIGN STUDIES III (6 SCU)

Learning Outcomes: Students would demonstrate the ability in designing symbols, an identity (a logo) and its function to everyday life by first conducting research and developing strategy and concept of branding, then to apply the new corporate identity to a stationery set and other corporate materials as well as create a comprehensive GSM (Graphic Standard Manual) to go along with it.

They must also demonstrate an ability to take a graphic design brief to its finished state, up to the preflight production and presentation.

Topics: This semester's project is to design a brand identity of an individual, a company, an organization or a foundation. It can be a profit or a non-profit, private, governmental, national or international company. The essence and the beauty of this project are in the creation of out-of-the box solutions required in a graphic designer. The students will begin the project by doing some research, to unravel the company's/organization's backgrounds, values, objectives, etc.

Pre-requisite(s): Design Studies II

DSGN6394 – INTERACTIVE DESIGN STUDIES I (9 SCU)

Learning Outcomes: Students must be able to explain the basic understanding of layout design and employ proper hierarchy system in constructing various design elements and integrating other design principles. Upon which, use different kinds of grid systems and combine them with other visual elements and then identify and apply suitable screen-based design technologies. The proper media application and graphic tools are then used to construct screen-based projects, which must also be applicable to multiple devices, integrating design principles, typography. Students must be able to exhibit their work and have them contribute in critiques and discussions of their work and the work of others.

Topics: Graphic Interactive Design II brings students to implement all their knowledge from previous semesters into grids based layouts in variety two-dimensional projects, applicable to various screen-based design projects. They will comprehend that behind a good interactive design, there are collaboration of graphic design, experience design and interface design.

Student will learn semantic, syntactic and pragmatic aspect in graphic interactive design and related aspects, as well as holistic graphic system through exercises and projects. This Course also look at a number of approaches to understanding how visual information plays a major role in thought processes and alternative ways of approaching analytical thought through visual engagement.

Pre-requisite(s): Fundamental Principles of Design

DSGN6395 – INTERACTIVE DESIGN STUDIES II (9 SCU)

Learning Outcomes: Students are expected to be able to analyze and explain the creative process of a design and website fundamental parts and functions. They are then expected to be able to apply the principles of design language as well as the components of design and fine arts by creating a conceptual website design.

Topics: Interactive Design Studies II is an introduction to the study of perception. The course will look at a number of approaches to understanding how visual information plays a major role in thought processes and alternative ways of approaching analytical thought through visual engagement and applying it on designing and lay outing on screen media for internet purposes. The course is divided up into three sections, each focusing on a particular approach to the study of perception, visual thinking and new media design. Technical wise, the craft of website design is introduced, including Site mapping, Wire framing, Concept & Design, HTML, CSS and Java Script.

Pre-requisite(s): Interactive Design Studies I

DSGN6396 – INTERACTIVE DESIGN STUDIES III (6 SCU)

Learning Outcomes: Students must be able to first conduct research and develop strategy as well as translating into a design concept, then demonstrate the ability to design a multimedia project based on the problem given by creating a comprehensive user guide / manual based on the project given as part of a team.

They are then expected to exhibit their work, and contribute in critiques/appreciation and discussions of said work and the work of others.

Topics: This course is to exhibit the ability to work within the design process in higher level (Conducting research, concept, and application). The students will work in conjunction with other discipline to design a multimedia project. Working in a multidiscipline, the Design team focuses on creating apps using a project from an actual company / simulating a certain companies' past project. Students will learn how to work in teamwork, as well as delivering a real project within deadline.

Pre-requisite(s): Interactive Design Studies II

DSGN6397 – 2D ANIMATION STUDY (4 SCU)

Learning Outcomes: Students are expected to be able to create a short animated film in two dimensions using appropriate software for animation production which demonstrates perceptual acuity in basic principles of animation, conceptual understanding, and technical facility at entry level in the field of Digital Animation while integrating visual elements.

Topics: Skill development in the use of software to develop storyboards and two-dimensional animation including creating, importing, and sequencing media elements to create multimedia presentation. Emphasis is on conceptualization, creativity, and visual aesthetics.

Pre-requisite(s): Design Studies I

DSGN6398 – DESIGN HISTORY DISSERTATION RESEARCH (2 SCU)

Learning Outcomes: The student will have the capacity to select a suitable topic, matching it with the appropriate methods of research, demonstrate ability in summarizing their intentions and clarifying their ideas in a short seminar paper, then produce a plan showing a forward view of the development of their Dissertation project.

Topics: This Unit is designed to prepare the groundwork for a Dissertation in the Third level of study leading to an Honours degree in Design. It will introduce students to the various research methodologies of Design History. This will entail choosing a topic, making a thorough literature search, compiling a critical bibliography and presenting a plan for the further development of the idea in whatever form approved by the Unit Tutor and the teaching team. Students will research a case study and present their methodology as a 20-minute verbal presentation in a research seminar.

Pre-requisite(s): None

DSGN6399 – KINETIC TYPOGRAPHY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and analyze visual aspects, functions and components of the letterform, apply knowledge on various typefaces into a typography artwork, use different kinds of typefaces and combine them with other visual elements, demonstrate the ability of working with high detail accuracy execution in digital, apply appropriate technique for modifying process in typography artwork.

Topics: Based on principles and concepts learnt in typography 1, Kinetic typography becomes the medium and the message. Symbolic communication inherent in different typefaces is explored. Typographic relationships with other graphic elements are investigated through variety of Motion Graphic Projects. This course relies on Graphic Design Software as a significant tool in solving advanced typographical problem without ignoring the importance of craftsmanship skill.

Pre-requisite(s): None

DSGN6400 – DIGITAL ADVERTISING (4 SCU)

Learning Outcomes: The course intended learning outcomes (CILO) indicates what students are expected to be able to do by the end of the course, which may cover specific technical skills and personal qualities pertaining to the course given. The personal qualities may have been reflected in the defined course learning outcomes or attained separately, outside the curriculum.

Topics: In this course students will be practicing to develop complete package of visual digital communication in wide range of area. It includes construct interactive website that integrated with e commerce and any digital advertising supplemental elements such as social media, digital poster and major multimedia elements (sound and video). In overall the course will be covering entire digital advertisement aspects that commonly applied in the actual industry

Pre-requisite(s): None

DSGN6401 – EXPERIMENTAL DESIGN (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to construct work that demonstrates perceptual acuity in experimental design, conceptual understanding, demonstrate the ability to adapt of conducting research and conceptual thinking in historical, cultural, and stylistic contexts at an advanced level; demonstrate an understanding of the common elements and interaction of these elements, and be able to employ this knowledge in analysis; demonstrate a working knowledge of technologies and equipment applicable to the area of experimental design.

Topic: The course is designed to give introduction to experimental design. Using previous set of skills, Students are given a topic and experiment with existing technology. The course will focus on Pre-production phase from research, concept, and prototyping.

Pre-requisite(s): Interactive Design Studies III

DSGN6548 – TYPOGRAPHY II (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and analyze visual aspects, functions and components of the letterform, apply knowledge on various typefaces into a typography artwork, use different kinds of typefaces and combine them with other visual elements, demonstrate the ability of working with high detail accuracy execution in digital, apply appropriate technique for modifying process in typography artwork.

Topics: Based on principles and concepts learnt in typography 1, typography 2 becomes the medium and the message. Symbolic communication inherent in different typefaces is explored. Typographic relationships with other graphic elements are investigated through variants two-dimensional projects. This course relies on Graphic Design Software as a significant tool in solving advanced typographical problem without ignoring the importance of craftsmanship skill.

Pre-requisite(s): Typography I

DSGN6549 – SCREEN DESIGN DEVELOPMENT I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to Apply design knowledge and build visual prototype as a problem-solving through digital media; Analyze and criticize aesthetic, technical, conceptual aspects and quality of visual design for various Interactive Applications; Utilize appropriate IT applications in the development of design project; Apply creative thinking in producing innovative design solution

Topics: This course provides basic principles and fundamental of interactive media design. In this course students will have foundation for building both technical skills and an awareness of issues surrounding the historical and current aspects of screen based design. They will do more study about interface design and navigation understanding to be used into publication in various digital media. Manage and merge variety of objects that including text, sound, movies and animation into a project based on the theme given. Students will learn essential design element in digital media process. At the end of this course students will have to produce a project according principles of screen design study.

Pre-requisite(s): Design Studies I

DSGN6550 – AUDIO VISUAL II (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to construct work that demonstrates perceptual acuity in basic principles of film arts, conceptual understanding, and technical facility at a professional entry level in the field of audio-visual; demonstrate the ability to integrate the appropriate technique and strategy and creating an audio visual-production in two and three dimensions using appropriate software for the production of audio-visual; demonstrate a working knowledge of technologies such as softwares used in editing audio-visual elements and equipment applicable in the digital animation; exhibit their audio visual work and contribute in critiques and discussions of their work and the work of others

Topics: This course provides an advanced movie production study. Students will learn elements in film arts and enhance the video creation using various editing applications. They will have to combine variety of elements, compositing, adding sound and motion graphics with visual effects incorporate with the movie. Advanced features of current technology in movie industries will be introduced to let students stay update with the movie technology development. This course ends up with a final project to produce a movie creation that consists a variety of elements according design and aesthetic principles.

Pre-requisite(s): Audio Visual I

DSGN6562 – GRAPHIC DESIGN FINAL PROJECT (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to demonstrate an understanding in the implementation of the common elements and vocabulary of art/design and of the interaction of these elements, and be able to employ this knowledge into their final project; demonstrate a working knowledge of various art and design problems by implementing capabilities in analysis, technologies and equipment applicable to the area of graphic design in seeking for and implementing appropriate design solutions; exhibit the students' final project and contribute in critiques and discussions of their work and the work of others by using appropriate design theories and methods; communicate effectively with various audiences.

Topics: This course expands on previous graphic design knowledge and skills, offering students the opportunity to work on a major self-initiated design project. It emphasizes research and analysis as well as the design processes that lead to creative conceptualization and final design solutions. By the end of this course, the students must develop an original body of work, culminating in a final exhibit accompanied by a written work.

Pre-requisite(s): Internship

DSGN7132 – PHOTOGRAPHY I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify the use of digital SLR camera and basic camera control; identify and apply different type of lenses and variety of outdoor lighting; Utilize appropriate technical and esthetic aspect in photography composition; Create and integrate visual elements into the photographic work; Create and display portfolio of photography works complying to good technical and aesthetical aspects.

Topics: The course teaches students how to use SLR (Single Lens Reflect) camera photography as well as identify and operate parts of the camera. It provides basic photographic knowledge such as Exposure, ASA, Composition, Digital Photography, People and B/W Photography.

Pre-requisite(s): None

DSGN7133 –PHOTOGRAPHY II (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to use appropriate lighting pattern and lighting equipment in a photography studio; apply appropriate technical skills and various quality of light in producing photography works; create and integrate visual elements into a photographic work; exhibit the students' photographs of simple people and product shots for commercial and fashion photograph referring to professional technical and aesthetical standards.

Topics: The course is designed to give introduction to basic studio lighting photography. Some topics will include: studio lighting equipments, People and Beauty Shot, Hollywood Glamour, Photographs of Product, Still Life Photographs, Commercial Photographs, Creating Special Effect, and Fashion Photographs. At the end of this course, the students will be able to take simple product and people photographs in the studio.

Pre-requisite(s): Photography I

DSGN7324 – COMPUTER GRAPHIC I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and explain basic skills and concept in computer graphic design; Apply the appropriate skills and technology in reproducing digital artwork; Use relevant application(s) (Adobe Illustrator and/ Adobe Photoshop) in designing projects; Exhibit, review and analyse their work and the work of others; Apply and integrate fundamental graphic design elements using software graphic tools.

Topics: This course teaches students the basic techniques on how to utilize computer graphic related hardware and software in order to execute their visual ideas, i.e. (1) Illustrator and (2) Photoshop. Using Illustrator, the students will learn how to utilize vector drawing tools to create line, shape and coloring in developing their creative expression implemented into their project. With the Photoshop, the students utilize it as an image-editing tool. Student will also learn the workflow of creating artworks from paper to screen, which is the core of creating proper digital artworks. In this course, the students have to submit a final project that demonstrate the software integration of design related applications while considering the fundamental aspects of graphic design.

Pre-requisite(s): None

DSGN7326 – ILLUSTRATION DESIGN (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to understand and demonstrate the ability to work with different medium for creating illustration, identify and apply different types of illustration based on its function, work with and operate the tools and software commonly used in the creation of illustration projects, demonstrate the ability to solve visual communication problems with illustrations.

Topics: This course explores the different methods and mediums used to create illustrations for a design based project. Students will learn about equipment and software and apply the knowledge on assignments designed to address particular types or styles of illustration. This course develops students' sense in exploring creativity and solving visual communication problems by using illustration aspect.

Pre-requisite(s): Drawing II

SUBJECT AREA: ECON**ECON6028 – MICROECONOMICS (3 SCU)**

Learning Outcomes: This course is designed to introduce all basic facets of microeconomics. It contains full development of the theory of supply and demand.

Topics: Consumer theory, production and cost theory, perfect competition, market power, imperfect competition, and strategic behavior.

Pre-requisite(s): None

ECON6081 – MACROECONOMICS (2 SCU)

Learning Outcomes: This course is designed as an introductory unit for Macroeconomics. It contains full development of the theory of all alternative perspectives in economics.

Topics: Introduction to the nature of economics, private and public sectors of economy, major economic problems, and the use of fiscal and monetary policy and its influence on the economy.

Pre-requisite(s): Microeconomics

SUBJECT AREA: ENGL**ENG6171 – ACADEMIC ENGLISH I (3 SCU)**

Learning Outcomes : Upon successful completion of the course, students are expected to be able to: read short essays, and skim for the main ideas and important details; organize, build connections between ideas, and exhibit an integration of reading and writing in their written output; use academic style in writing different types of essays; use a wide range of vocabulary and grammatical structures and have a good control of lexical and grammatical features of English; speak confidently, question intelligently and critically, create and give an academic/professional presentation.

Topics: This course is designed to increase student understanding of academic discourse, both written and spoken, and the ability to produce such discourse, at a certain level, in relation to general and student specific studies. Reading skills, such as skimming and scanning, and dealing with unknown vocabulary, are integrated with the production of various essay types, such as expository, comparison-contrast and cause and effect. The course also focuses on the production and performance of professional outputs in the form of oral presentations in relation to students' current studies. Language skills are provided by a workshop series for remediation in grammar, syntax and academic lexis acquisition. The course also emphasizes heavily on other academic skills such as paraphrasing, quoting, summarizing, and referencing.

Pre-requisite: TOEFL 550 AND TWE 4.0 OR a minimum C pass in Pre-Academic English

ENGL6172 – ACADEMIC ENGLISH II (3 SCU)

Learning Outcomes: Upon successful completion of the course, students are expected to be able to: analyze short essays in terms of organization and structure; organize, build connections between ideas, and exhibit an integration of reading and writing in their written output; use academic style in writing different types of essays and reports; use a wide range of vocabulary and grammatical structures and have a good control of lexical and grammatical features of English; speak confidently, question intelligently and critically, create and give an academic/professional presentation; cite, paraphrase, summarize and/or quote sources correctly and apply other research skills in writing

Topics: This course is designed to increase student understanding of academic discourse, both written and spoken, and the ability to produce such discourse, at a certain level, in relation to general and student specific studies. Reading skills, such as making inferences, drawing conclusions, and dealing with unknown vocabulary, are integrated with the production of various essay types, such as SPSE (Situation, Problem, Solution, Evaluation), argumentative and summary and response. The course also focuses on the production and performance of professional outputs in the form of oral presentations in relation to students' current studies. Language-focused workshops are provided for grammar, syntax, and uptake of academic lexis.

Pre-requisite: A minimum C pass in Academic English I

SUBJECT AREA: ENTR**ENTR6045 - TECHNOPRENEURSHIP (2 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to recognize the management processes in setting up a new business; comprehend the risks and challenges in setting up a business venture; and develop a business model and strategy.

Topics: This course provides experiential learning on what it is like to actually start a company. This class is not about how to write a business plan. It is not an exercise on how smart students are in a classroom, or how well students use the research library. The result is not a PowerPoint slide deck for a VC presentation. Instead students will be getting their hands dirty talking to customers, partners, competitors, as they encounter the chaos and uncertainty of how a startup works. Students will work in teams learning how to turn a creative idea into a real company. They will learn how to use a business model canvas to brainstorm each part of a company and customer development approach to get out of the classroom to see whether anyone other than them would want/use their product. Finally, students will see how agile development can help them rapidly iterate their product to build something customers will use and buy. Each week will be a new adventure as students test each part of their business model and then share the hard-earned knowledge with the rest of the class. Working with their team, they will encounter issues on how to build and work with a team and we will help them understand how to build and manage a startup team.

Pre-requisite(s): None

ENTR6091 - PROJECT HATCHERY (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain innovation concept and process to execute it, show innovative and entrepreneurial behavior, and generate innovative solution based on thorough problem identification.

Topics: This course introduces concepts and practice of working in a multidisciplinary team to tackle personal or society challenge in a project setting by adapting creative and innovative process called Design Thinking. Student should focus on the interaction among team members from different background and learn on how to build their idea on top of one another. Therefore, people skill would be the key success factor in this course. Student will be facilitated throughout the process to understand the challenge and see it from different perspective until each team can come up with an innovative solution with a good underlying argumentation.

Pre-requisite(s): None

ENTR6092 - BUSINESS MODEL INNOVATION (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to generate and connect business idea with personal and team motivation, to find problem-solution fit, to prototype product that fit the market, to design and validate business model comprehensively.

Topics: In this course, student can understand how to collaborate in multidisciplinary team and work/rework on a business proposal in a lean process. Student is encouraged to fail often during the process of finding the right business model. Student should go through the process of designing comprehensive business hypothesis and validating the whole business model.

Pre-requisite(s): Entrepreneurship Hatchery

ENTR6093 – SUSTAINABLE STARTUP CREATION (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to prepare scalable execution strategy and operation, to set up company culture and human resource team, to prepare legal documents needed, to identify and tackle all potential risks within the startup creation process, to evaluate/reevaluate personal and team passion with business progress, to assess their existing and previous business model.

Topics: In this course student can execute their business startup as a real company and build their own venture professionally and effectively. By using previous experiences in discovering and validating comprehensive business model, student will be challenged to have concrete action plan for execution in all business functions. Student will assess and validating business model in the investor perspective.

Pre-requisite(s): Business Model Innovation

ENTR6095 – MEDIA BUSINESS AND ENTREPRENEURSHIP (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: analyze the media business and market environment; analyze different market situations in media and utilize the information to create a competitive media business plan; develop a sense of social responsibility and integrate it into a media practice; as well as communicate a business plan in a confident manner with a good sense of leadership.

Topics: The course provides a global introduction to the process of turning an idea into a successful startup media company. The course has a special emphasis on commercializing ideas derived from media research and data.

Pre-requisite(s): None

ENTR6096 - CREATIVE BUSINESS PLANNING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to construct/reconstruct innovative business concept, to create creative business plan, to visualize and communicate business idea.

Topics: In this course, student can understand how to create business plan not only in ordinary model but enhance those ordinary business plan into more creative and attractive model. Start from construct and innovate business, from conceptual and transform it into prototype as well as validate the business model until the business plan can be ready for the pitch.

Pre-requisite(s): Entrepreneurship Hatchery

ENTR6097 – MANAGING TEAMS AND CULTURES (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to set up diverse team properly, to handling difficult people within the team, to communicate in 360 directional, to collaborate with other people from multiple back ground.

Topics: In this course student will get to know other people culture and style, so after passing this subject, student can understand many other people working culture from other nation and can adapt with diversity that may occurs in professional world.

Pre-requisite(s): Entrepreneurship Hatchery

ENTR6098 – BUSINESS NETWORKING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to map stakeholders in particular business area, to approach stakeholders effectively, to develop personal branding as startup founder, and to set up collaboration with the built network.

Topics: In this course student will learn on how to do networking as lifestyle in order to increase their personal brand value at once their startup brand value in the perspective of stakeholders. Student will have to force themselves to be connected to a lot of stakeholders within entrepreneurship ecosystem both in domestic and global network. And also during the course, student is encourage to set as many collaboration as possible to accelerate their business startup.

Pre-requisite(s): Business Model Innovation

ENTR6099 – BUSINESS STORY TELLING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and explain target audience profile, to design/redesign business story in the target audience context, and to pitch business idea effectively to particular target audience.

Topics: In this course student can deepen their understanding on how important is the communication skill in business setting. Student will learn the power and art of communication through story telling. Practice, practice and practice to different kind of target audience would be the main issue during the course using both offline and online approach.

Pre-requisite(s): Business Model Innovation

ENTR6459 – ENTREPRENEURSHIP FOR FASHION (4 SCU)

Learning outcomes: Upon completion of this course, students are expected to be able to: analyze opportunities and target market environment as well as competitors in creating business through research; demonstrate ability in managing business process from planning to realization including design and produce fashion items according to market trend; outline a creative business plan and company profile; present business plan through effective verbal and written communication

Topics: The Entrepreneurship course is designed to guide students on how to start a new business venture by captures the business opportunities appear in the market, develop new products, new ideas and services. This course emphasizes on step by step guidance to construct a business plan as well as to develop brand equity. Students will be required to integrate the skills acquired from previous courses, in order to develop further thinking in relation to a brand and business development. Live project will be set to add students' experience of the actual industry.

Pre-requisite: None

ENTR6486 – ENTREPRENEURSHIP HATCHERY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain entrepreneurial concept and process to execute; show innovative and entrepreneurial behavior.

Topics: As a continuation of Project Hatchery course, in this course students will learn about what the knowledge, skills, and behaviors an entrepreneur should have. The students will start learning from discussing case studies to running a small entrepreneurial challenge during the course. This course will provide insights for students what it takes to become an entrepreneur and prepare them to take the Entrepreneurship enrichment track in the later semester.

Pre-requisite(s): Project Hatchery

SUBJECT AREA: FASH

FASH6013 – DESIGN REALIZATION AND PROMOTION I (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply a range of techniques in visualizing design ideas; develop a creative and innovative design solution; create well-prepared products; align with the ideas exploration and the concept; apply principals of aesthetics in design and production.

Topics: This course involves the realization of design through product development. This will be the first live project for students. They need to demonstrate their analytical skills in developing contemporary design that captures the market needs as well as to have an initial research on trends and develop a style based on traditional heritage. The final outcome should creatively demonstrate the innovative fashion marketing concept and branding. Students can choose their own product such as accessories, garments, home ware collection, or any fashion products.

Pre-requisites: None

FASH6016 – FASHION TEXTILE I (3 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: identify flat fabric surface treatments and characteristics; experiment with silk screen manipulation techniques and equipments; identify design problems in silk screen industry and implement innovative solution; apply innovative solutions of design problems in silk screen industry; apply good time management and responsible working method in making a garment realization.

Topics: This course will introduce students to textile exploration and experiments in flat surface treatments, with creative 2D application techniques of silk screen printing.

Pre-requisite: None

FASH6019 – FASHION TEXTILE II (3 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate fabric manipulation techniques to enhance details and feature of the fabric; explore and experiment with flat and/or additional texture on surface treatment; produce a creative design signature, based on design problem solution; demonstrate creative and communicative working progress in portfolio; apply good time management and planning skill through the project.

Topics: This course will introduce students to textile exploration and experiments in fabric construction, with creative application techniques of texture and construction alteration.

Pre-requisite: None

FASH6027 – DESIGN REALIZATION AND PROMOTION II (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: display and present creative designs and promotion concepts for a fashion product; explore and experiment with a range of materials; conduct visual research to develop design concepts and production; apply a range of techniques to produce a fashion item relevant to trends; and create a reflective diary of their own work.

Topics: This course emphasizes the development of promotional concepts, and development of the product, including observational study to materials and processes. Students will have to analyze consumer trends and design direction, and integrate it with the marketing research, promotion and design development.

Pre-requisites: None

FASH6034 – FASHION PORTFOLIO (4 SCU)

Learning Outcomes: Upon successful completion of this course, each student has the ability to: develop creative design concept that meet professional standards; organize effective independent research in developing fashion portfolio; apply the appropriate technical skills in creating and compiling a portfolio & e-portfolio; apply a range of communication skills to produce a professional design presentation.

Topics: The students develop a professional presentation of fashion design portfolio that represents a particular style of each student's unique character. Working and discussing individually with the tutor, each student begins to explore their creativity of presenting a conceptual idea that meets the requirements of the fashion design industry.

Pre-requisites: Enrichment Program II

FASH6059 – HISTORY AND INTRODUCTION TO FASHION STUDIES I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain fundamental principles of fashion; explain basic business and management processes as well as the choice of profession in the fashion industry; communicate ideas effectively orally and written.

Topics: This course provides an introductory view of the fashion industry. These relate to basic knowledge in fashion concepts, levels of fashion, and production from medium to mass. This course also provides exposure to the industry that enables students to have the big picture on the fashion sector and to understand the process of making a collection, from the inspiration to distribution in a retail industry.

Pre-requisites: None

FASH6060 – INTRODUCTION TO FASHION SKILLS I (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: understand theoretical design studies of technical and practical skills, and manipulation techniques in the creation of fashion products; identify and describe fabric sources and characteristics by utilizing variety of materials, appropriate technology applications and resources; communicate design and technical progress as well as self-development through portfolio; and organize professional working methods and schedules.

Topics: This course will introduce students to basic garment assembly and production techniques, from flat patterns, drafting and draping to produce a variety of sewing techniques and machineries. To a larger extent, the students will produce a prototype of creative form and silhouette for style and fit evaluation test. The students also learn to identify fiber,

yarn, fabric, its sources and properties, together with the fabric construction, which contributes to building fabric characters. To a larger extent, the students will learn about fabric surface treatment and texture on fabric. This course will inspire the students to produce individual fabric samples building a personal fabric concept.

Pre-requisites: None

FASH6061 – INTRODUCTION TO FASHION DESIGN I (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: use appropriate colors and shapes in creating simple design; draw basic figure proportions, contour, balance, poses and movements of fashion silhouette; show evidence of aesthetic and functional details in fashion drawing; display their working progress in a visual portfolio for a wide range of audiences in relation to ethical and aesthetic aspects; and apply contemporary and emerging influences on contemporary design practice with appropriate technology applications and resources.

Topics: This course will introduce students to color, design elements and fashion illustration in order to achieve visual aesthetics. To a larger extent, the students will study the relation of form and function in design. Weekly assignments are given to develop the students' design skills, as well as to practice their capability in handling deadlines and working within schedules. By learning how to make a fashion Illustration that focuses on the development of individual ability and potential through practical studio activities of drawing, painting and practical exercises using a variety of media techniques and experimentation. This course introduces students to basic figure drawings and fashion anatomy, as well as to learn rendering techniques with pencil, marker and color pencil to female and male silhouettes, and developing technical drawing skills in relation to the manufacture of fashion clothing. Students are expected to improve their ability to work with visual elements in two dimensions, and practice their adaptation to design disciplines. The development of signature style is introduced in order to build a character and image into the illustration.

Pre-requisites: None

FASH6062 – HISTORY AND INTRODUCTION TO FASHION STUDIES II (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain major art influences and modern art movements; interpret Western art's influence on the development of modern clothing; give positive art appreciation and criticism to art and study on the cultural aspects.

Topics: This course is a study to historical and cultural art movements and social issues around the world. To a larger extent, the students will be inspired and have more appreciation of art and be able to make criticisms and judgments on art movements.

Pre-requisites: None

FASH6063 – INTRODUCTION TO FASHION SKILLS II (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate a range of production methods and technical skills through exploration and experimentation of fashion products with independent judgement of aesthetics, efficiency, and effectivity in the production process; identify appropriate solution in the creation of fashion products; develop various creative methods and technical skills in response to design problems and solutions; demonstrate a responsible working method in meetings deadlines and documentation of the process.

Topics: This course will introduce students to principles of pattern design through block pattern and draping on body forms. To a larger extent, the students will learn interpretation of design into patterns, i.e. a relationship between 2D drawing skills and 3D pattern shape, and produce a prototype for style and fit evaluation. Introduction to CAD of flat block pattern is also included in this course.

Pre-requisites: None

FASH6064 – INTRODUCTION TO FASHION DESIGN II (6 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: explain and apply various method in design process and concept development; produce a creative fashion illustration with physical and/or digital techniques using appropriate software in illustrating fashion design; identify appropriate research and show evidence of critical design development and aesthetic analysis; show evidence of experimental and/or innovative thinking in the resolution of a design problem or issue; produce design artefacts or creative solutions with distinguishable skill and application; demonstrate the ability to initiate and manage their own learning, evaluate their own progress, exercise reflective and critical self-analysis.

Topics: This course will introduce students to develop own design research, from raw concept to an illustration of collection development. Series of experimentation on mix media drawings and technical drawing is taught to equipped students with the technical skills. Output will be progress book filled with the idea and concept development.

Pre-requisites: None

FASH6066 – FASHION TREND FORECASTING I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: use appropriate methodology in fashion trend research; illustrate the upcoming trends by developing the design direction; write comprehensive fashion trend research and observation report; analyze the factors influencing fashion trend; deliver effective presentation in fashion trend forecasting topic.

Topics: Fashion trend forecasting module is a study to understand issues that are affecting design in order to analyze the upcoming trends. Students will learn how to do research on past and current market dynamics and project them into the future trends. Moreover, the fashion trend research and forecasting is invaluable to aspiring fashion people in the industry to be able to compete in the marketplace. Through research visits, students will learnt not only capture the color, texture, but also translating more trends coming from societies and cultures. The output will be producing a trend book prediction based on students' journeys and analyses.

Pre-requisites: None

FASH6067 – FASHION MARKETING I (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe different fashion marketing concepts, terminologies and trends, describe how market environment influence fashion marketing analyze how consumer behavior affects fashion business, identify different market segmentation and potential target market, design strategic marketing plan for fashion product/service/brand, communicate effectively in fashion's brand marketing with relevant reports and presentation skills.

Topics: The Fashion Marketing I course studies how marketers are influenced by the consumers and how the consumers are influence by the action of marketers. Consumer behavior in fashion will discuss more specific information on the retail and fashion world which is a dynamic and fast moving industry. Fashion trend is created for the consumers by retailers, media, and influences. It is fundamental for students to be aware of the consumer dynamics in order to forecast the market trend in the future and to come out with appropriate marketing strategies, and generate satisfactory design products. The students will be active observers learning by doing market research on specific topics so they can learn to analyze problems and construct critical thinking in relation to the market environment. This course is linked to Fashion Trend Forecasting and Design Research and Concept.

Pre-requisites: None

FASH6068 – FASHION GRAPHICS AND PROMOTION (4 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: explore and experiment through a range of creative methods; show evidence on aesthetic and concept generation; to recognize design problems and produce appropriate solutions; display digital literacy skill in response to creative visual communication; apply principles of page layout and drawing presentation; arrange and display a working progress in visual portfolio.

Topics: Fashion graphics and promotion aims to develop graphics skills in the context of fashion where students need to show their ability to build the image of one brand through a set of promotional items, as well as to develop logos, and other corporate identity. Students are expected to build their own brand and produce a look-book for the brand at the end of the semester.

Pre-requisites: None

FASH6069 – FASHION TREND FORECASTING II (3 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: use appropriate methodology in fashion trend research; illustrate the upcoming trends by developing the design direction; write comprehensive fashion trend research and observation reports; apply good time management and planning in conducting fashion research; analyze the factors influencing fashion trends; deliver effective presentations in fashion trend forecasting topics.

Topics: Fashion trend forecasting module is a study to understand issues that are affecting design in order to analyze the upcoming trends. Students will learn how to do research on past and current market dynamics and project them into the future trends. Moreover, the fashion trend research and forecasting is invaluable to aspiring fashion people in the industry to be able to compete in the marketplace.

Through research visits, students will learn not only capture the color, texture, but also translating more trends coming from societies and cultures. The output will be producing the trend book prediction based on students' journey and analysis.

Pre-requisite: None

FASH6071 – PRODUCTION II (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply a range of manufacturing processes in a tailored design process with a range of technical and practical skills in tailor construction; demonstrate and communicate tailor design and technical progress through a portfolio with independent judgment of aesthetic, efficiency, and effectiveness in the production process; choose appropriate fabrics for different garments; use appropriate equipment and machinery for fashion production; apply creative and innovative design solutions through appropriate production processes to assemble a finished garment.

Topics: This course will utilize students' experience on the three previous Silhouette and Garment Construction courses in order to develop more complex garment patterns. The course is to increase students' knowledge about the various details and new techniques as well as finishing the course more complicated, and increases the creativity to apply the material had been added in the manufacturing of tailoring according to the fashion industry developments. This course will teach students to be able to manage time properly so that it can produce a good product fit for the standard garment.

Pre-requisites: None

FASH6073 – FASHION MARKETING II (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: use appropriate methodology in conducting brand market research; create a fashion brand identity; communicate design concepts and present alternative brand strategies; apply the brand positioning concept in developing brand strategies; explain the concept of brand equity for strategic business opportunities implementation; analyze problems and find solutions through effective public relations; apply appropriate steps and procedures in producing an event; explain principles of strategic management in the retail business; explain and apply the principles of operation management in the retail fashion industry; apply an appropriate methodology in developing a strategy analysis of a retail fashion company.

Topics: The course involves the development of marketing programs and a series of activities to build, measure, and manage brand equity in the fashion field. The course aims to give a deeper understanding of basic branding principles, both classic and contemporary branding applications. Students will learn how to create their own brand and implement its strategies, and examine more deeply the psychological aspects of communication, on how to set the right strategy and tone to tell the public and gain knowledge and awareness. This enables the student to examine the role of product managers and retail managers within a fashion company where students will learn merchandising and retail management, giving understanding to the relationships and implications of retail management.

Prerequisites: Fashion Marketing I

FASH6074 – PRODUCTION III (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply and analyze theoretical knowledge of fashion design and fashion management issues; plan and conduct a research on the field of fashion design and management; appraise an independent judgment; and articulate reasonable arguments on aesthetic through effective written, verbal, and presentation skills.

Topics: This course will utilize students' experience of their own personal development of the pattern from the previous courses and to enhance the creativity of the students to apply the learned material added in manufacturing sports and outerwear. This course will teach students to learn more about the complexity and role in the manufacture of good quality clothing in order to produce a good product in accordance with the standards of the garment.

Pre-requisites: None

FASH6077 – INDUSTRY EXPERIENCE (8 SCU)

Learning outcomes: Upon successful completion of this course, each student has the ability to : demonstrate a working knowledge of various design problems by implementing capabilities in analysis, to present fashion products for a wide range of audience in relation to ethical and aesthetic aspect; to evaluate the quality of the products in relation with consumer, ergonomic and environmental perspective ; to demonstrate a range of production methods and technical skills through exploration and experimentation of fashion products with independent judgement of aesthetic, efficiency, and effectively in production process

Topics: This is a real working experience in related industry where students' need to demonstrate the skills acquired from previous courses. The courses is set off campus and students will work as a professional at the industry and they need to report and this activity is monitored by its supervisor.

Pre-requisite: None

FASH6078 – REFLECTIVE PRACTICES (4 SCU)

Learning outcomes: Upon successful completion of this course, each student has the ability to : to present fashion products for a wide range of audience in relation to ethical and aesthetic aspect, to evaluate the quality of the products in relation with consumer, ergonomic and environmental perspective

Topics: Reflective Practice course is taken simultaneously with the Industry Experience and Fashion Applied Skills. This course functioned as a reflective or journal to students during the industry experience taken. The reflective practice help students as a learning process to describe what is successful and what is not successful in terms of learning and how students can do it better in the future.

Pre-requisite: None

FASH6079 – FASHION APPLIED SKILLS (4 SCU)

Learning outcomes: Upon successful completion of this course, each student has the ability to : to demonstrate a range of production methods and technical skills through exploration and experimentation of fashion products with independent judgement of aesthetic, efficiency, and effectively in production process; to understand the creative design concept relevant with the market research, consumer and environment aspect; to apply creative and innovative design solutions through design research basis in fashion

Topics: Fashion Applied Skills require students to solved design solution through skills gained from previous semesters. Students have to write a report of what the learning point and skills gained during the industrial experience.

Pre-requisite: None

FASH6080 – SUSTAINABLE FASHION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply various methods in the design process and development; apply appropriate design skills and produce design solutions; demonstrate effective communication skills through written, visual, oral, or technological information, to generate critical thinking on environmental perspective.

Topics: This course offers further exploration of sustainable fashion and encourages students to analyze the social issues and ethical context. Students need to come out with the solution to produce more considerate design products.

Pre-requisites: None

FASH6082 – PRODUCTION I (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply a range of technical and practical skills in sportswear construction; demonstrate and communicate sportswear design and technical progress through a portfolio with independent judgement of aesthetic, efficiency, and effectivity in the production process; choose appropriate fabrics for different garments; use appropriate equipment and machinery for fashion production; apply creative and innovative design solutions through appropriate production processes to assemble a finished garment with personal style.

Topics: This course encourages students to work with their own personal development of the pattern-making and draping by introducing students to the basic process of garment making, and fabric-cutting process suitable for the pattern and efficiency. In addition, students will study basic sewing techniques, correct pressing processes, finishing, as well as selection of appropriate materials to get the desired looks, referring to the standard mass production. This course exercises from design-making to garment-realization stage.

Pre-requisites: None

FASH6115 – FASHION DESIGN I (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply appropriate styles in designing daywear outfits; create 2D and 3D design of various parts of daywear outfits; explore various shapes of parts of daywear outfits relevant to a design theme; identify trends in daywear creations and create a personal daywear collection; apply good time management in the production process of a daywear collection; arrange and display the work-in-progress of creating a daywear collection in a visual portfolio.

Topics: This course will introduce students to making a fashion collection. The students will conduct basic research and identify design issues. Then, the students develop garment ideas and realize them as a women's wear/menswear mini collection, as a practical response to an identified issue. Students are encouraged to do textile exploration and experimentation in flat surface treatments, with creative 2D application techniques of silkscreen printing.

Pre-requisites: None

FASH6116 – FASHION DESIGN III (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate industrial critical and aesthetic conception; construct a design solution in a practical manner; interpret creative exploration and experimentation through construction and deconstruction methods on garments.

Topics: This course requires students to develop a fashion collection of a fashion/retail company. Students have to be able to understand the signature design from a brand and generate new silhouettes and design a collection by deconstructing the pattern of their iconic pieces.

Pre-requisites: Fashion Design II

FASH6117 – FASHION TEXTILE III (3 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate fabric manipulation techniques to enhance details and feature of the fabric; explore and experiment with flat and/or additional texture on surface treatment; produce a creative design signature, based on design problem solution; demonstrate creative and communicative working progress in portfolio; apply good time management and planning skill through the project.

Topics: This course will introduce students to textile exploration and experiments in fabric construction, with creative application techniques of texture and construction alteration.

Pre-requisite: None

FASH6118 – PROJECT REPORT WRITING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply and analyze theoretical knowledge of fashion design and fashion management issues; plan and conduct research on the field of fashion design and management; appraise an independent judgment; and articulate reasonable arguments on aesthetic through effective written, verbal, and presentation skills.

Topics: This course will implement the process of writing a fashion thesis document. Upon the completion of this project, students are expected to be able to create and develop a comprehensive thesis document, and to present and defend their thesis. Student will apply and analyze theoretical knowledge of fashion design and fashion management issues. Student needs to apply the BNSD Thesis guidelines.

Pre-requisites: None

FASH6121 – FASHION RETAIL MANAGEMENT I (3 SCU)

Learning outcomes: Upon completion of this course, students are expected to be able to: demonstrate ability in managing a fashion retail business; explain the process of maintaining sales reports; design and produce sales report; analyze sales reports; produce sales management figures in retail fashion business; communicate the retail management report in effective way to a range of audiences.

Topics: This course is designed to guide students on managing a fashion retail business. This course emphasizes step-by-step guidance to manage a fashion store or boutique, how to expand it and manage it well. There are case studies and studies in the real field. Students analyze the success stories in fashion retail management. Students learn how to make good sales reports and other retail management reports.

Pre-requisites: None

FASH6123 – FASHION RETAIL MANAGEMENT II (3 SCU)

Learning outcomes: Upon completion of this course, students are expected to be able to: demonstrate ability in managing a fashion retail business; understand the standard of sales, services and the process of maintaining sales reports; produce the correct sales strategy, sales report, sales management figures in retail fashion business; analyze sales reports and the correct selling tools; communicate the retail management report in effective way to a range of audiences; evaluate the efficiency of selling within the fashion industry.

Topics: This course is designed to guide students on managing a fashion retail business. This course emphasizes step-by-step guidance to manage a fashion store or boutique, how to expand it and manage it well. There are case studies and studies in the real field. Students analyze the success stories in fashion retail management. Students learn how to make good sales reports and other retail management reports.

Pre-requisite: None

FASH6129 – FINAL PROJECT (6 SCU)

Learning Outcomes: Upon successful completion of this course, each student has the ability to: communicate and present creative and innovative design solutions to professional standards; implement a range of creative methods and technical skills through exploration and experimentation in response to recognized design problems and produce appropriate solution; appraise an independent judgment and articulate reasonable arguments on aesthetics; demonstrate critical thinking to solve

design problems relevant with the market research, consumer and environment aspects; apply critical thinking in fashion business and management problem solving through applied research with innovative design solutions through design research basis in fashion.

Topics: Fashion Management final project requires students to produce promotional project outcomes and design a creative promotional strategy and develop a new brand to show evidence of competencies gained from the whole four years of study. Students need to come up with creative solutions and apply innovative ideas to their brand campaign. At the end of the semester, students will prepare to exhibit their work through the graduate exhibition.

Pre-requisites: Enrichment Program II

FASH6130 – FASHION DESIGN II (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: explain and apply the knowledge of trend forecasting, as well as traditional and contemporary design in fashion design concept for a wide range of audiences in relation to ethical and aesthetic aspects; produce several explorations and experimentations using appropriate techniques and materials on the design process with independent judgment of aesthetic, efficiency, and effectiveness in the production process; apply fabric manipulation techniques to enhance details and feature of the fabric with appropriate garment style to a specific pattern or motif; demonstrate creative and communicative working progress in the portfolio.

Topics: This course will implement the process of making a collection with a live project. The students will conduct research inspired by the Indonesian heritage and culture and produce a contemporary design of women's wear or menswear collection. The course will also introduce students to textile exploration and experiments in surface treatment, with creative fabric application techniques such as a variety of weaving techniques and construction alteration.

Pre-requisites: Fashion Design I

SUBJECT AREA: FINC

FINC6142 – INVESTMENT ANALYSIS (4 SCU)

Learning Outcomes: Upon completing this course the students are expected to understand the concepts of (1) equity security investment, (2) fixed income securities investment, (3) derivative securities investment, and (4) portfolio investment. They are expected (5) to have the ability in analyzing and in making proper investment decision.

Topics: The concept of investment; investing in equity securities (fundamental analysis, technical analysis, behavioral finance); investing in fixed income securities (bond and convertible); derivative securities (option, future, warrant), managing a portfolio.

Pre-requisite(s): Corporate Financial Management

FINC7047 – CORPORATE FINANCIAL MANAGEMENT (4 SCU)

Learning Outcomes: On successful completion of this module, students will be able to: describe different methods of project analysis; explain the use of the weighted average cost of capital; describe capital structure and payout policies; apply these concepts in an international context; and evaluate treasury policies to assist managing the risks arising from these activities.

Topics: Principles of Finance, Risk Analysis, Payback Period, Net Present Value, Weighted Average Cost of Capital, Capital Budgeting, Country Risk, Foreign Exchange risk, Identifying and Managing Risks.

Pre-requisite(s): Economic Mathematics; Principles of Accounting

SUBJECT AREA: GAME

GAME6046 - ADVANCED GAMES DESIGN AND PROGRAMMING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply advanced design and development principles in the construction of game systems; apply appropriate concepts of computing and mathematics in game designs; identify and define the game designs and programming requirements in solving a game design problem; create and evaluate advanced game designs and programming techniques to meet the desired needs; apply current techniques, skills, and tools creatively to produce innovative game designs and programming practices.

Topics: This course covers intelligent characterization as well as advanced techniques in simulation. Game control and game theories are further developed. Further work will cover techniques for production of LAN and Internet-based multiplayer games including massively multiplayer online games (MMOG). This course is designed to introduce students with intermediate and advanced concepts of computer games and its programming techniques. In general, by the end of this course students should be able to demonstrate the knowledge and skills of a game designer, computer game developer, and AI game developer.

Pre-requisite(s): Introduction to Programming

GAME6048 - GAMES DESIGN AND PROGRAMMING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain and apply the principles of 2D and 3D game designs and developments; apply appropriate mathematical concepts related to game development programming; identify and analyze the requirements of game designs appropriate for a specific market or user; design and develop computer game programs applying appropriate programming processes and techniques; and apply current tools and technologies in designing computer games.

Topics: This is a hands-on course to train students in practical game designs and developments. The aim of this course is: to introduce students to the field of Game Design and Programming and enable them to appreciate the multidisciplinary nature of this field, to introduce essential concepts and techniques through practical work based on developing programs that create interactive visual imagery; for students to acquire independent self-learning skills; to learn about the techniques and algorithms used for developing games applications involving both 2D and 3D objects; to learn the essential theories behind game designs, and to be able to design and implement simple computer games in C/C++, including the use of library functions from various APIs.

Pre-requisite(s): Introduction to Programming

SUBJECT AREA: GLOB**GLOB6206 – GLOBAL DESIGN PERSPECTIVES (0 SCU)**

Learning Outcomes: Upon successful completion, student will able to synthesize, evaluate and present creative Information drawn from a range of cultures, societies and nationalities; Produce clear and concise academic report and illustrated design materials that are used for the purposes of understanding varied design cultures, societies and nationalities; Demonstrate an ability to produce professionally oriented design solutions and integrated portfolio submissions that illustrate the integration of intellectual, philosophical and professional rigor.

Topics: Students will be encouraged to develop various presentation techniques and processes to promote their work to a wider global audience through innovative communication techniques and processes. This will include examining global design trends, trends forecasting and investigate how different design traits affect their work to the wider global community

GLOB6207 – ADVANCED CREATIVE PRACTICE (0 SCU)

Learning Outcomes: Upon successful completion, student will be able to demonstrate an ability to investigate, evaluate, and synthesize information that encompass design practice, promotional, employment, client and user considerations; Produce enhanced and varied employment materials and documentation that are used for the purposes of activating employment possibilities and career based opportunities; Demonstrate an ability to produce professionally oriented design solutions and integrated portfolio that demonstrate creative ability in the design process and illustrate the integration of intellectual, philosophical and professional practice rigor; Articulate an appropriate response to relevant 2D and 3D creative techniques and resources in the execution of high-resolution of design and graphic presentations.

Topics: The course is encouraging student to develop various processes to promote their work to the wider design community. There will be enhanced sessions to develop new employment presentation tactics, including digital branding and portfolio enhancement.

SUBJECT AREA: ISYS**ISYS6169 - DATABASE SYSTEMS (6 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to analyze requirements and anomalies in relational database design; use conceptual modeling mechanisms to design a database system; formulate queries for specific users' information needs; use SQL as a data definition and data manipulation language; apply transaction processing and concurrency in multi-user database systems to obtain accurate results; design and create an information system project using SQL and visual programming; formulate NoSQL database; and describe the requirements of a Cloud Computing database.

Topics: This course is designed to teach students the fundamental concepts underlying a database system design, including not only the design of applications using databases and visual programming, but also covering the fundamental implementation techniques used in database systems. It introduces students to the relational model of databases along with its mathematical background, the application of relational database systems and system-level implementation, including file organizations and indexes, query processing, and transaction management.

Pre-requisite(s): None

ISYS6209 – USER EXPERIENCE (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain cognitive and social factors that can make interactive software effective; interpret user requirements and apply them to interface design; explain and apply key design principles and guidelines that can assist user interface designers, and understand the limitations of such guidelines; create an effective evaluation method for a particular design project; identify and apply appropriate site structure and navigation; apply techniques of contextual analysis around the present use of technology; and elicit user requirements and present proposed solutions to a range of audience.

Topics: This course introduces students to the principles of design that can be applied to either a graphical user interface (GUI), a web interface, or a mobile interface. Frequently users are exposed to software programs or websites where information or functions are not easily identified or located. This directly impacts the effectiveness of the users in achieving their goals and therefore increases user frustration. After learning several design concepts, students should be able to identify examples of existing interfaces as well as draw parallels with real-world interactive devices, such as mobile phones and personal computers. Combining this knowledge with the skills of various software programs (i.e. VB Editor for Excel and Dreamweaver MX), students should feel confident in creating interfaces that will best meet users' requirements and provide a good user experience.

Pre-requisite(s): None

ISYS6268 – THESIS (6 SCU)

Learning Outcomes: On successful completion of this course, student will be able to: Define the problems, purpose and scope of research, utilize basic theories and concepts of business and information systems; Analyze the problems, gather and compile and analyze the data, Create a proven solution to solve the problems.

Topics: Outlines discussion – can choose between research, project or new business startup; Theories review; Data gathering; data analysis; Presenting and storytelling the solution; Defense the thesis to proven the result; Thesis approval.

Pre-requisite(s): None

ISYS6409 – PROGRAMMING MASTERY (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: apply principles of Java programming in designing programs; identify and analyze basic computing problems, and define the appropriate solutions; identify and apply professional and ethical principles in programming; describe the use of various data structures; explain and apply appropriate operations for maintaining common data structures; apply appropriate data structures and simple algorithms for solving computing problems; and design computer programs applying different data structures and related algorithms.

Topics: This course is designed to enhanced problem solving techniques and programming concepts and to enable the students in developing algorithms and well-structured programs. It introduces students to the concepts and techniques of basic programming using the Java programming language; basic computing algorithms and basic data structures are also discussed. The students' competency is assessed by their capability to create a middle-sized application program. This course also serves as one of the foundation courses in programming principles. It provides students with an understanding of the principles of data structures and algorithms in the design and development of computer software. Students will also learn the basic data structures and their use in different algorithms that are commonly used in making structured and efficient software programs. Part of the course will also cover a short introduction to the analysis of algorithms.

Pre-requisite(s): None

ISYS6410 – INFORMATION SYSTEMS MODELING (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: use appropriate techniques and tools to construct physical and logical processes for existing and new systems; apply appropriate techniques for eliciting user requirements and system expectations; interpret, analyze, and apply user requirements in the system design; explain and apply a variety of systems development methodologies and techniques; apply techniques of a contextual system analysis of the present use of technology to define principles of systems thinking; describe causal connections in systems; apply a systemic approach in a complex problem analysis; apply suitable analytical tools to analyze complex problems; as well as explain and apply the essential systems thinking concepts behind functional group work.

Topics: This course provides a foundation of knowledge and skills in contemporary systems development, methods and techniques, in order to make students aware of a range of systems analysis approaches. Topics covered in this course are process and data modeling, a variety of system development approaches, tools and techniques using rapid application development, joint application development, and prototyping. This course is also designed to teach the student the steps in defining and analyzing problems, in the context of a learning organization. This course aims to provide students with the tools to analyze complex problems and be able to identify 'big picture' views and identify patterns and relationships. The problem must be understood clearly and the perspectives of all stakeholders with respect to the problem must be considered

and accommodated. Students should attain an understanding of the core competencies required for building learning organizations.

Pre-requisite(s): None

ISYS6412 – DATA MANAGEMENT AND ANALYTICS (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the role of databases in organizations and information systems; use SQL to construct, secure and access the database; explain and apply formal languages associated with the relational database model, including relational algebra, and relational calculus; develop a relational database using database design methodology three main phases: conceptual, logical, and physical design; use formal technique for producing a set of normalized relations that support the data requirements of an enterprise; explain and use the advanced SQL programming language in a DBMS environment; use and develop a distributed DBMSs along with its transaction management and replication techniques; explain and use data warehouse concepts, such as ETL, Data mart and the dimensional approach; relate and implement database managements system in the web technology and mobile environment; define the discipline and process of data mining and CRISP-DM methodology; explain and apply the various data mining techniques; perform methods of data preprocessing and data reduction; and analyze and model data, addressing ethical and technical issues in data mining.

Topics: This course introduces the concept of information modeling, which emphasizes the importance of grouping the information into specific categories before it is transferred to the actual database design. Later in this course, an implementation phase is discussed to ensure the students are well aware of any implications that might develop from improper information modeling. In addition, this course also aims to introduce students to the concept of database design by predicting the use of future retrieval systems. Students understand that both a consideration of the data model and awareness of the retrieval system to be applied are required in designing a database. Consequently, new concepts are introduced, such as query processing and optimization, transaction processing concepts, and concurrency control techniques. This will lead students to understand the method of database tuning, functional dependencies, and normalization for RDB that will help them to understand further courses. This course also covers selected issues related to databases such as advanced SQL programming language (SQL/PSM and PL/SQL), cursor and stored procedures, techniques in transaction management, distributed DBMSs and replication, as well as data-warehousing concepts. The implementation of web technology and databases along with mobile databases will also be highlighted. This course also provides an introduction to the concepts and common practices in the field of data mining. Students will be exposed to the various data-mining techniques that can be used to describe, analyze, and model data. Weka, a leading data-mining software, will also be introduced and used to apply various data-mining techniques to solve business problems.

Pre-requisite(s): Applied Research and Linear Algebra

ISYS6413 – OBJECT ORIENTED INFORMATION SYSTEMS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain the difference between traditional methods of analysis and object-oriented analysis; design a system definition from a business problem and produce a conceptual model using UML; apply object oriented techniques for exploring problem domains; relate the concept of problem domains and application domains to object-oriented analyses; and describe object-oriented constructs.

Topics: This course is designed to teach students the fundamental concepts of an object-oriented analysis, modeling, and design. The course begins by reviewing the concept of a complexity analysis with respect to an OO analysis. The object model is considered in detail to ensure the student understands how to model the entire object in a communicative way and possibly to program. This also ensures that students understand the concept of modeling in an OO environment. The course will also discuss in detail modeling concepts, design methodology, and design implementation.

Pre-requisite(s): None

ISYS6415 – ENTERPRISE RESOURCE PLANNING SYSTEMS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: define and explain the principles and the importance of integrated information systems; describe the distinguishing modular characteristics of ERP software; analyze different business functions that can be integrated in SAP's ERP system; develop the process models of an ERP system; analyze the key issues in managing an ERP implementation project; describe the significance of web technologies to ERP; explain the different methods of a business process analysis; apply the multitude of analytical tools to model, analyze, understand, and design business processes; perform an analysis using analytical queuing methods; use simulation software to model, analyze, and design business processes; as well as build analytical models for a cycle-time analysis and capacity decisions.

Topics: This course provides an introduction to Enterprise Resource Planning (ERP). Topics cover the fundamentals of the ERP environment and its tools. The viewpoint is from an implementation perspective. This course is also about analytical

business process models and designs including an introduction to simulation. The course will approach the business process design from a broad, quantitative model perspective. Through this course, students will be exposed to various analytical tools that can be used to model, analyze, understand, and ultimately design business processes.

Pre-requisite(s): Contemporary MIS & Algorithms

ISYS6417 – E-COMMERCE, IOT AND MOBILE SYSTEMS (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe and use programming languages in a Web-oriented environment; apply data exchanges between Web pages; evaluate and use the data persistence in a Web-oriented environment; develop a Web application using advanced techniques such as oriented object programming, regular expression and MVC pattern; explain and describe client-server architecture; implement packet transmission in an application, by using protocols from the transport and the Internet layers; use wearable technology and sensors in a mobile information system; and elicit user requirements and present the proposed solutions to a range of audience.

Topics: This is an advanced course covering the creation of dynamic Web applications with programming languages, such as HTML5, CSS3, Javascript and PHP5. Various topics will discussed during this subject, like the basic techniques of these programming languages, the transmission of data between pages with or without forms, the use of a MySQL database with a PHP website, PHP oriented object, the MVC pattern and the regular expression language. This course also deals with the usage of wearable technology and sensors in mobile information systems. Using wearable devices and sensors, the students will learn how to exchange data with them. Distributed mobile applications and information systems (client-server architecture) will also take a part of this course, by using Java as a programming language. The protocols TCP IP and UDP will be introduced in order to have an application collecting data from sensors and wearable devices.

Pre-requisite(s): Advanced Programming and Testing

ISYS6419 – TECHNOLOGY CONSULTING IN THE COMMUNITY (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to understand the latest trends and current technology in the industry, to master IT/IS framework, and to utilize an IT/IS framework to solve professional cases.

Topics: In this course, students will be enabled to detect the latest trends and current technology that will be applied in many corporations in Southeast Asia and specifically in the Indonesian region. Moreover, students will learn how to utilize multiple IT/IS frameworks that could be implemented to solve cases at the professional level. Working closely with industry partners across Southeast Asia, students will handle and solve professional cases as consultants. Topics that students learn will cover: Technology in Consulting Industry; etc.

Pre-requisite(s): None

ISYS6421 – HUMAN FACTORS IN INFORMATION SYSTEMS (4 SCU)

Learning Outcomes: Upon completion of the course, students are expected to be able to: describe the importance of human factors in a project management; identify different styles and management techniques; apply effective communication and team management skills in project development; and analyze the human resource issues in project management.

Topics: This course provides the fundamentals of project management with an emphasis on human resource skills and managing project teams. This course provides an analytical approach and appreciation of how human resource issues operate in a project environment and how to make a project more effective.

Pre-requisite(s): None

ISYS6422 - MANAGING ACROSS CULTURES (4 SCU)

Learning outcomes: Upon completion of the course, students are expected to be able to: explain how any business encounter represents the interactions of several cultural spheres; explain how culture can impact a variety of different management functions; describe the impact of cultural differences on management in international firms; assess the potential impact of a culture, national or otherwise, on performance; and design strategies in managing cultural differences from three perspectives: the individual, the multicultural team, and the global organization.

Topics: This course aims to experience and enjoy the richness of cultural differences and to improve effectiveness in information systems management. As part of this course, students will learn and experience how to develop international managers but also how to help teams and organizations to navigate better in global waters.

Prerequisite(s): None

ISYS6424 – CORPORATE INFORMATION SYSTEMS MANAGEMENT (4 SCU)

Learning Outcomes: Upon completion of the course students are expected to be able to: analyze aspects related to the strategy and operationalization of Information Systems Management (ISM) in an enterprise; evaluate the effectiveness of an Information Systems implementation in a professional manner; analyze current problems and issues in ISM from the users' point of view; and apply the ISM concepts to propose alternative solutions for an ISM problem.

Topics: This course will introduce the fundamentals of Information Technology components and their major roles in business. This course is designed to give you a multi-faceted appreciation of how business-computing systems in a world of electronic commerce are designed, built, implemented, and maintained.

Pre-requisite(s): None

ISYS6425 – IT SERVICE DELIVERY (4 SCU)

Learning Outcomes: Upon completion of the course, students are expected to be able to: describe IT service management concepts, standards, and frameworks; analyze the implementation of IT service management; design and develop an IT service management implementation plan for an organization; and describe the IT service management process based on leading standards and frameworks.

Topics: This course explores various IT service management practices, which are important to provide assurances to users as well as management that the expected level of service will be delivered. Students will gain an understanding on how to provide assurances that IT service management practices will ensure the delivery of the level of services required to meet the organization's objectives. Topics covered include general IS operations as well as IS network infrastructures and technologies.

Pre-requisite(s): None

ISYS6466 – CONTEMPORARY MANAGEMENT INFORMATION SYSTEMS AND ALGORITHMS (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain the principles and the use of IT/IS concepts in business; identify and explain the fundamental behavioral, technical, business and managerial concepts in IT/IS; describe and explain issues related to the application of IT in business processes related to IS components, operations, decision making and the creation of competitive advantage; explain the processes and strategies in acquiring and implementing systems; identify and explain the process of problem identification and the solutions related to IT in business processes; apply effective and ethical management of IS functions and IT resources in creating good business performance and business value to support business strategies of the enterprise; explain IT concepts, terminology, principles, management, and strategies for organizations; compare new and emerging technologies; discuss IT issues and their impacts on business; discuss the challenges of living in the digital age; use programming logic and different programming techniques to produce innovative computing practices; apply the fundamental idea of dividing a program into components that can be independently debugged, maintained, and reused; and relate the application of IS in business process concepts to algorithm development.

Topics: This course introduces the foundation concepts of information systems (IS), information technology (IT), business applications, development processes, and management challenges. This course is designed to give students a multi-faceted appreciation and knowledge of how business-computing and information systems in a world of knowledge-based economy today are designed, built, implemented, and maintained. This course also introduces the fundamentals of Information Technology (IT) components and their major roles in business. This course is designed to give students a multi-faceted appreciation and knowledge of how business-computing and information systems in a world of knowledge-based economy are designed, built, implemented, and maintained. It also provides students with an introductory overview of the Internet, World Wide Web, impact of computers on society and business, the historic development of data processing, the basic functions and use of computer hardware, software applications, system software, basic skills in the use of word processing, spreadsheet, database, and presentation systems and desktop publishing software applications, basic skills using a web browser and search engine, and careers in the field of Information Technology. This course also develops skills in program design and implementation by applying the concepts of computer fundamentals and logic formulation. It also covers the study of the different tools and techniques available in developing computer program logic such as flowcharts and pseudo-code. Drones can be used as a support for this course and programmed by group of students in order to develop their logical skills.

Pre-requisite(s): None

ISYS6468 – ADVANCED PROGRAMMING AND TESTING (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: analyze a problem and design an efficient algorithm; translate a developed algorithm into a program using an appropriate programming language; describe and evaluate the programming environment (IDE/Editor) and the use of different data types in a program; elicit user requirements and to present the proposed solutions to a range of audiences; explain the psychology and

economics of software testing; define error checklist for inspections; explain and conduct white-box and black-box testing techniques; describe module and higher-order testing principles; conduct different types of debugging techniques; plan the testing of a software component or system; explain and analyze the latest software-testing techniques.

Topics: This course introduces the next level of programming courses, which assumes that students are already capable of solving computer programming problems. Topics covered in this course includes problem analysis, algorithm development, simple program design techniques, study of a contemporary programming language, use of a computer environment and appropriate system software. This course is also designed to provide students with an introduction to major software testing topics, including (but not restricted to) higher-order testing, white- and black-box testing, walkthroughs, and code inspections.

Pre-requisite(s): Programming Mastery

ISYS6496 - APPLIED PROJECT MANAGEMENT (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify and explain the principles and the use of project management concepts in information technology projects; apply appropriate project management concepts and create project management documentation based on a set of requirements; elicit user requirements and present the proposed solutions to a range of audience; and use appropriate software to plan and manage a project.

Topics: This course is also designed to master the applied techniques and methods of software project engineering, to apply the techniques taught in small to medium size projects, to provide sufficient knowledge of project estimation, scheduling, monitoring, and controlling tools, and to start to use them in practice.

Pre-requisite(s): None

ISYS6497 – CLOUD TECHNOLOGY (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: install and configure operating systems; configure an IT infrastructure solution for a small organization; choose the appropriate network infrastructure for an organization; explain and assess the role of IT control and service management frameworks in managing a large-scale organizational IT infrastructure solution; explain networking fundamentals (networking protocol concepts, TCP/IP, domain, addressing); and apply appropriate cloud storage infrastructures at an enterprise level.

Topics: This course provides an introduction to IT infrastructure issues for students majoring in Information Systems. It covers topics related to both computer and systems architecture and communication networks, with an overall focus on the services and capabilities that IT infrastructure solutions enable in an organizational context. It gives the students the knowledge and skills that they need for communicating effectively with professionals whose special focus is on hardware and systems software technology and for designing organizational processes and software solutions that require an in-depth understanding of the IT infrastructure capabilities and limitations. It also prepares the students for organizational roles that require interactions with external vendors of IT infrastructure components and solutions. The course focuses strongly on Internet-based solutions, computer and network security, business continuity, and the role of Cloud storage infrastructure.

Pre-requisite(s): None

ISYS6498 – INFORMATION SYSTEMS ARCHITECTURE (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the enterprise architecture frameworks and principles in data/information architecture designs; explain and apply effective technology in data/information system administration; explain the benefits and risks of service oriented architecture; explain and apply enterprise architecture model to support business strategy; apply appropriate enterprise architecture approaches and processes for different organizations; apply appropriate enterprise system interaction with stakeholders; mastery of service strategy, service design, service transition and service operation; create recommendations for continual service improvement; and create IT governance within the company.

Topics: This course is designed to introduce service-oriented architecture, enterprise architecture frameworks, systems integration, enterprise resource software, monitoring and metrics for infrastructure and business processes, green computing, virtualization of storage and systems, the role of open source software, business continuity, total cost of ownership and return on investment, audit and compliance, system administration, as well as IT control and management frameworks. In this course, students will also master the IT service and architecture framework, focusing on the ITIL Foundation. After they master the foundation, students can create recommendations to improve service in the company as well as create IT governance that suits the latest management needs.

Pre-requisite(s): Contemporary MIS and Algorithms

ISYS6503 – INDUSTRY EXPERIENCE (8 SCU)

Learning outcome: Upon completion of the course students are expected to be able to: implement their knowledge in the real world of their chosen industry; leverage their skills by observing professional staff or participating in a training to the specific domain of task; gain an understanding of the Information Systems process through observations, or conduct informational interviews of staff in the related department and document their learning through written daily reports, photos, and examples.

Topics: This course gives students the opportunity to implement their knowledge and skills of Business Information Systems in a real professional environment. Students will need to attend a full-time internship at the chosen company, implementing their knowledge and skills and create a report on their activities.

Pre-requisite(s): None

ISYS6504 – PROFESIONAL EXPERIENCE (8 SCU)

Learning outcome: Upon completion of the course students are expected to be able to: implement their knowledge in the real world of their chosen industry; leverage their skills by observing professional staff or participating in a training to the specific domain of task; gain an understanding of the Information Systems process through observations, or conduct informational interviews of staff in the related department and document their learning through written daily reports, photos, and examples.

Topics: This course gives students the opportunity to implement their knowledge and skills of Business Information Systems in a real professional environment. Students will need to attend a full-time internship at the chosen company, implementing their knowledge and skills and create a report on their activities.

Pre-requisite(s): None

SUBJECT AREA: LANG**LANG6030 – INDONESIAN (4 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate the ability to write a grammatically correct, accurate, objective, and comprehensive account of a news/public event for print, broadcast, and the Web, among other formats and styles, in proper Bahasa Indonesia; apply a deep understanding and good application of EYD for journalism; perform basic skills and knowledge of literary journalism; as well as demonstrate proper editing skills in Bahasa Indonesia.

Topics: This course treats feature writing and editing as a distinctive form of news journalism in Bahasa Indonesia. The course includes technical aspects of writing feature articles as well as how to draw on storytelling to add interest. Students will contribute to the production of a monthly newspaper by participating in story assignments, editing, page design, and production. Students will also demonstrate skills in editing news, features, and opinions.

Pre-requisite(s): Introduction to Journalism & Interview Techniques

LANG6061 – INDONESIAN (1 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify accuracy of diction and sentence in a paragraph; demonstrate good academic paragraphs; Compose essays academics with an accurate diction, effective sentences, paragraphs cohesion and the proper spelling.

Topics: The course Indonesian as a subject of personality development in college emphasizes students' skills to use Indonesian good and right, especially in preparing the essay academics with diction, effective sentence, and paragraphs coherence, and be able to present it in a variety of scientific language.

Pre-requisite(s): None

SUBJECT AREA: MATH**MATH6115 – APPLIED RESEARCH AND LINEAR ALGEBRA (4 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain and apply basic concepts and common techniques of statistics, probability, random variables, and different probability distributions; explain and apply basic concepts of sampling and estimation techniques; explain and apply basic techniques in hypothesis testing of one-, two-, or more samples; explain and apply basic techniques and analyses in linear regression; identify and analyze research problems in their field of study; apply critical thinking and demonstrate an understanding of theoretical and practical aspects of doing research individually and/or in groups; demonstrate knowledge of suitable approaches and methods in designing research projects; design and communicate research ideas and designs effectively in verbal and written format individually and/or in groups; describe and apply basic concepts of matrices and their operations; explain and apply appropriate techniques in solving systems of linear equations; explain the basic geometric and algebraic properties of

vectors in two- and three-dimensional Euclidean space; and apply the fundamental concepts and techniques in linear algebra to solve basic business and economics models.

Topics: This course provides an introduction to probability and statistics primarily for science and engineering students. Topics covered are as follows, but they are not limited to: summarizing data both numerically and graphically, basic laws of probability, confidence intervals and hypothesis testing, regression and ANOVA. All students are required to write a thesis in their final year, and they need to be prepared for it. To help them with that, this course is also designed to introduce and familiarize students with basic steps and methods in conducting research projects on small scale. Topics covered in this course equip the students to conduct the following: problem identification, literature review, selection of research designs, data collection and data analysis, and thesis writing. At the end of semester, students are required to submit and present group-work on a research proposal by the end of the course. This course is also designed for students taking the Information System program that introduces elementary Linear Algebra and its application in economic and business problems. Topics covered in this course include solving systems of linear equations, matrices, determinants, vectors, linear transformations, eigenvalues, and eigenvectors.

Pre-requisite(s): None

SUBJECT AREA: MGMT

MGMT6063 – STRATEGIC MANAGEMENT (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Define the essentials of strategic management concepts and issues; Analyze the environment and the strategic issues; Analyze the ethical impact of strategies; Explain how to execute the strategy.

Topics: The course introduces the core concept of strategic management, the analytical tools to evaluate a company's environment, resources and competitiveness. It emphasizes on the development and execution of the strategy.

Pre-requisite(s): Managerial Accounting

MGMT6253 – CORPORATE SUSTAINABILITY (2 SCU)

Learning Outcomes: This course is an introductory course in principles of sustainability and sustainability reporting. Students are expected to be able to understand the importance of sustainability in business contexts.

Topics: Principles of sustainability, sustainable development, sustainability reporting.

Pre-requisite(s): Managerial Accounting

SUBJECT AREA: MKTG

MKTG6111 – MARKETING MANAGEMENT (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the roles of marketing and marketing strategy in business value creation; use appropriate terminologies in marketing activities and business environment; apply marketing concepts into marketing strategies in both local and international contexts; explain the effects of marketing practices towards the community and the environment at large.

Topics: This course is intended to be the first gateway to the world of marketing. It provides fundamental theories, frameworks, concepts and approaches to ensure comprehensive understanding of marketing that are required in business decision making. The course is designed so that students would develop respect for the importance of marketing in modern business activities.

Pre-requisite(s): Introduction to Management and Business

SUBJECT AREA: RSCH

RSCH6008 – QUANTITATIVE AND QUALITATIVE RESEARCH METHODS IN COMMUNICATION CONTEXT (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain the research problem area in social studies; apply critical thinking in analyzing research problems; review the position of the theory in the research; differentiate the types, purposes, and uses of social research; explain and apply the principles of qualitative and quantitative research, including the processes, data collection methods, and analysis; apply appropriate approaches and techniques in designing a research project; and communicate research ideas and designs effectively in verbal and written forms.

Topics: The course introduces students to a conceptual and theoretical basis on social research methods, applying a qualitative and quantitative approach. It will build upon students' understanding of the logic of social science inquiries and gradually introduce types of social research and its purposes leading to data collection techniques and analyses. The course is geared towards students' ability to write their own research design as the basis for a thesis proposal. Core principles of

quality research such as validity and reliability will be introduced with objectives to enable students to be first-class social researchers and discerning users of social research.

Pre-requisite(s): None

RSCH6016 – SEMINAR IN THESIS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: develop a theoretical framework; apply data collection and analysis methods using data analysis software; compose and present a thesis proposal.

Topics: This course is a continuation of Research method in Accounting & Finance. The course emphasizes on the data collection and data analysis methods used in Accounting & Finance research. In this course, students will work on their intended thesis topics and are expected to submit their thesis proposal, at the end of semester.

Pre-requisite(s): Theory and Research Methodology in Accounting and Finance

RSCH6058 – DESIGN IDEA EXPLORATION I (8 SCU)

Learning Outcomes: Students are expected to be able to construct work that demonstrate perceptual acuity in Design Exploration, demonstrate the ability to adapt of conducting context research, Apply creative thinking in producing innovative design solution, demonstrate a working knowledge of various art and design problems by implementing capabilities in analysis; demonstrate the ability to achieve design concept by utilizing previous courses;

Topics: The course designed in conjunction with Visual Research, students are preparing Initial Design Research based on the topic chosen. Using knowledge from the past three years, student then optimize their Concept, test it, then discuss it for further exploration.

Pre-requisite(s): None

RSCH6059 – VISUAL RESEARCH (4 SCU)

Learning Outcomes: Students are expected to implement various design characteristic based on idea exploration; demonstrate a working knowledge of research in terms of visual creation; exhibit design process to be implemented in final project.

Topics: The course complements Design Idea exploration I where students are to implement various design iteration based on the subject. The Design process intended to prepare student for market testing, prototyping, and design revision.

Pre-requisite(s): None

RSCH6060 – ACADEMIC DESIGN RESEARCH (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to construct work that demonstrates perceptual acuity in Academic Design Research; Apply creative thinking in and analysis based on Initial Design Research; Demonstrate a working knowledge of research writing and reports; able to implement practical research in design culture.

Topics: The course intended to facilitate design report based on the topic selected in Design Exploration I. Focusing on writing, the student will translate their visual design into research paper;

Pre-requisite(s): None

RSCH6061 – DESIGN IDEA EXPLORATION II (8 SCU)

Learning Outcomes: Students are expected to be able to construct work that demonstrate perceptual acuity in Design Exploration, demonstrate the ability to adapt of conducting context research, Apply creative thinking in producing innovative design solution, demonstrate a working knowledge of various art and design problems by implementing capabilities in analysis; Exhibit their work and contribute in critiques and discussions of their work and the work of others.

Topics: This course continues the process from Design Idea Exploration I, focusing on deeper analysis on selected topic. Students are to test and revise their idea based on feedback. Using skills acquired from previous courses, the course focuses on analyzing and create various design iteration for their project.

Pre-requisite(s): None

RSCH6067 – MASS COMMUNICATION RESEARCH METHODS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe and interpret basic mass communication theories and research concepts; describe and demonstrate data collection methods; discuss and demonstrate basic data analyses; interpret data for practical applications in the mass communication environments of public relations, advertising, and journalism; conduct research and evaluate information by methods appropriate to the mass communication environments of public relations, advertising, and journalism; apply tools and technologies appropriate to the mass communication environments of public relations, advertising, and journalism.

Topics: This class introduces students to the research methods commonly used to study mass communication and other mediated communication processes, and the influences of media communication on society. The class also provides insights into the public, markets, and audiences that are important for research concerning the communication profession.

Pre-requisite(s): Qualitative and Quantitative Research Methods in Communication Context

RSCH6069 – SCIENTIFIC WRITING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: learn and practice the conventions for writing scientific material for a variety of audiences; understand the needs of various audiences/readerships, and discover how these needs affect the style, vocabulary, and content of writing.

Topics: The course will take a multi-modal approach so that students can also work on presentations and posters, using visuals and graphics effectively to convey their message in the scholarly and public realm, including print and digital publishing sites, and adapting the materials and texts as needed to become increasingly sophisticated critical thinkers and writers who can shape material effectively. While working on clear, correct, concise prose, the course will also address the evolution of scientific writing and conventions. A wide range of scientific fields will be addressed, with special emphasis on the field in which the student is working on.

Pre-requisite(s): None

RSCH6070 – RESEARCH METHODS IN COMPUTER SCIENCE (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: present scientific information in appropriate language for various audiences, including scholarly and general, in print and online; expand information literacy (researching primary and secondary sources) for finding, evaluating, integrating, and synthesizing ethically the necessary information and visuals for the completion of a project; effectively and ethically incorporate appropriate scientific exhibits (visuals, graphs, charts, etc.) for designing presentations and posters, and for supplemental text and workshops; respond effectively to peers' work in progress and participate in collaborative learning activities.

Topics: This course aims to provide students with advanced treatment of selected topics from various areas of computer science with an emphasis on appropriate research methods. Practical skills are acquired in technical writing, critical reading, and presentation of technical literature in preparation for paper publication and thesis writing.

Pre-requisite(s): None

RSCH6073 – DESIGN RESEARCH (4 SCU)

Learning outcomes: Upon successful completion of this course, each student has the ability to : to apply creative and innovative design solutions through design research basis in fashion ; to create fashion products by utilizing variety of materials, appropriate technology applications and resources ; to demonstrate a range of production methods and technical skills through exploration and experimentation of fashion products with independent judgement of aesthetic, efficiency, and effectively in production process.

Topics: The course is an independent course where students need to have their independent research through desired area from the fashion industry and make it as a personal project. Final output is progress book and report.

Pre-requisite: None

RSCH6074 – MARKET RESEARCH (4 SCU)

Learning outcomes: Upon successful completion of this course, each student has the ability to : demonstrate a contextual understanding of fashion design industry and broader cultural environment, create and evaluate research process effectively in order to extract professional input ; analyze fashion issues in the market in order to produce integrated design related outputs or solution; Identify the market needs as an idea of the project and demonstrate conceptual writing

Topics: This course aims to support students in collecting all data required for the project. As the early stage of the project, the marketing research course covers the development of structure, objectives of the research, scheduling, literature reviews and the research process. The students are required to compile all data accordingly in terms of developing the managerial skill and display the progress of the research. All data should be selected to provide a strong foundation for further research development and evidence of their analytical skills and judgments.

Pre-requisite: None

RSCH6075 – FORMULATING A RESEARCH TOPIC (4 SCU)

Learning outcomes: Upon completion of the course, students are expected to be able to: select and narrow down a topic by choosing a specific aspect, considering the point of view, focusing on a time period, location, culture and other aspects of research; develop thesis questions and statements; test the topics or ideas; revise and refine; and synthesize the information.

Topics: This course gives students the opportunity to implement their skills of selecting, refining, and developing a topic. Students need to focus on strategies to find relevant and appropriate information. Students will have the opportunity to understand the assignment, realize the purpose, implement the development of requirements, as well as plan for sufficient research, thinking, and writing time.

Pre-requisite(s): None

RSCH6076 – RESEARCH TOOLS AND APPLICATIONS (4 SCU)

Learning outcomes: Upon completion of the course, students are expected to be able to apply appropriate quantitative research tools to their chosen topic on a basic scale, or to implement their choice of programming language and platform to build their solution.

Topics: This course gives students the opportunity to apply and use appropriate research tools at the level of data preparation, inspecting variable types, specifying missing values, inspecting cases, and implementing standardized syntax of the tools in their research project. On the other hand, application development students will have the opportunity to inspect their choice of programming language and platforms and implement them on the research case/problem.

Pre-requisite(s): None

RSCH6249 – QUANTITATIVE ANALYSIS IN ACCOUNTING AND FINANCE (4 SCU)

Learning Outcomes: The students are expected to have the ability of formulating problems into quantitative models and communicate the results of quantitative analyses in the contexts of accounting and finance, recognising any limitations of the underlying models, present the findings and recommendation for the problems.

Topics: This course will cover the quantitative techniques to a range of problems in the accounting and finance environment.

Pre-requisite(s): None

RSCH6407 – RESEARCH ETHICS AND INTEGRITY (4 SCU)

Learning Outcomes: The students are expected to be exposed to the practices related to research ethics and integrity to ensure that research is conducted according to the required standard and practices with the minimal risk of adverse or detrimental outcomes.

Topics: This course will include activities that cover aspects of how research is conducted with honesty, minimizing potential risks to researchers and participants of research, safeguards the collected data during the research process, avoids unfair allegations of misconduct, draw reliable and accurate outcomes from proper investigation process.

Pre-requisite(s): None

SUBJECT AREA: STAT

STAT6122 – STATISTICS FUNDAMENTAL FOR BUSINESS STUDIES (3 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: explain and apply basic techniques in hypothesis testing more than two samples; explain and apply basic techniques in chi square test, correlation and regression analysis; utilize the interpretation of statistical analysis result in decision making; use statistical software to analyse data.

Topics: The topics covered in this course include descriptive statistics, the basic probability theory, normal probability distributions, estimation techniques, as well as one-sample and two-sample hypothesis testing. The use of statistical software using Excel is introduced and encouraged in order to better present the data summary and automate statistical calculations.

Pre-requisite(s): None

3.7 Student Activities

The students of BINUS UNIVERSITY INTERNATIONAL successfully set up the BINUS UNIVERSITY INTERNATIONAL Student Committee on 20 February 2002. Its vision is to act as a representative of BINUS UNIVERSITY INTERNATIONAL students to ensure that the students of BINUS UNIVERSITY INTERNATIONAL are given the balanced rights and obligations formulated between students and BINUS UNIVERSITY INTERNATIONAL. Its mission is to ensure the protection of students' rights whilst helping to maintain the continuation of students' duties. The Student Committee also contributes to the promotion of BINUS UNIVERSITY INTERNATIONAL to the general public.

Since its establishment, the BINUS UNIVERSITY INTERNATIONAL Student Committee has represented students in delivering their aspirations, and managing and supervising BINUS UNIVERSITY INTERNATIONAL Students' activities carried out through students clubs and incidental events. It prepares and handles the budget for students' activities, and annually manages the Orientation Days for newly incoming students, as well as preparing and conducting leadership training for the management of student clubs.

Currently BINUS UNIVERSITY INTERNATIONAL Student Committee manages 22 clubs/association:

1. ASC (Accounting Students Association)
2. BINARY (Computer Science Student Association)
3. BIMARC (BINUS UNIVERSITY INTERNATIONAL Marketing Student Association)
4. CAC (Creative Art Community) – Graphic Design Student Association
5. BASIS (Information Systems Student Association)
6. FASHUN (Fashion Students Association)
7. BIBS (BINUS International Business Students Association)
8. BEST (BINUS UNIVERSITY INTERNATIONAL English Society)
9. BIBC (BINUS UNIVERSITY INTERNATIONAL Basketball Club)
10. BIDC (BINUS UNIVERSITY INTERNATIONAL Dance Club)
11. BIFC (BINUS UNIVERSITY INTERNATIONAL Football Club)
12. BIJAC (BINUS UNIVERSITY INTERNATIONAL Japanese Club)
13. BIMUS (BINUS UNIVERSITY INTERNATIONAL Music Club)
14. BIPEDS (BINUS UNIVERSITY INTERNATIONAL Pool of English Debaters)
15. BITE (BINUS UNIVERSITY INTERNATIONAL Trading Enterprise)
16. BMS (BINUS UNIVERSITY INTERNATIONAL Moslem Society)
17. CIA (Cameras in Action or BINUS UNIVERSITY INTERNATIONAL Cinematography Club)
18. CIC (Community in Christ)
19. VOB (Voice of BINUS UNIVERSITY INTERNATIONAL)
20. BISC (BINUS UNIVERSITY INTERNATIONAL Student Committee)
21. BINUS UNIVERSITY INTERNATIONAL Capoeira Club
22. AIESEC

4. Graduate Program

Master Program in Information System Management, Master Program in Information Technology, Master Program in Industrial Engineering, Master Program in Accounting, Master Program in Communication Science, and Doctoral Program in Computer Science (DCS)

Master Program in Information System Management, Master Program in Information Technology, Master Program in Industrial Engineering, Master Program in Accounting, Master Program in Communication Science, and Doctoral Program in Computer Science Bina Nusantara (BINUS) University as an education institution has shown its continuously commitment to be the best in delivering quality education that is relevant to business and industry needs. In order to achieve international quality standard, we continuously make our best effort to provide students with an excellent learning process, up-to-date course materials, and professional resources to deliver knowledge and skill. The program is designed to help graduates gain excellent global career opportunities. Due to increased market requirements and the demand from experts and leader in business and ICT, on September 2008 BINUS UNIVERSITY established the Graduates Program in Information System Management (MMSI) and Information Technology (IT) and new graduate program in Industrial Engineering was introduced in September 2014. The Accounting Program and Communication Science was opened in September 2017. Doctoral Program in Computer Science was opened in 2015.

The Doctor of Computer Science (DCS) is the doctoral program in computer science that offers the stream in Information System or Computer Science. All the students in the program receive the degree of Doctor of Computer Science regardless of their interest area, specialization, or research focus. As a research-oriented degree, the DCS prepares exceptional students for careers at the cutting edge of academia, industry and government. Students are expected to demonstrate excellence in both defining and executing a substantial research project that forms a novel contribution to the state of the art in computing. With a highly individualized program of study, the degree provides students with depth in their chosen research area coupled with a rigorous breadth of knowledge across the discipline.

The Graduates of Master Program in Information System Management (MMSI) have competency as a leader in information system and Information Technology which is able to control the function of information system in organization with both future insight and strategy to reach vision, mission, and target that have been determined, particularly regarding to development of information technology, in addition, he/she is able to act as consultant of information system and information technology for organization in planning information system strategy, including evaluation to effectiveness and efficiency of information system and information technology application. It emphasizes on following aspects: Advise, Value/Assess, Communicate, and Innovate. Process management in development of information technology is the core of subject given, including IT Services, IT Strategic Management, Planning, Software Management, and Information Integration Technology.

Master Program of Information Technology (IT) is a Post-Graduate study program focus on two aspects: information technology and business knowledge where it is expected that the graduates will have a commanding view to the process and performance of business corporate. It is expected that the graduates of Information Technology

Study Program have competency as a leader with vision and future insight, able to design and apply information technology that will improve work performance of organization. The objectives of this program are preparing outstanding visionary ICT leaders for industry and government which are capable in facing the challenge of the future in Information Communication Technology; providing an excellent advanced education/research and professional services in information technology, recognized globally, that attracts and retains a talented and creative student body and faculty; and creating innovative technologies leading to new products and improved business processes, thus enhancing the quality of life. The graduate competencies of this program are Graduates will be able to design an ICT infrastructure blue print and strategic plan that can be applied by industry, Graduates will be able to value the transformation of data into knowledge in order to attain business competitiveness, Graduates will be able to propose ICT solutions in any fields, based on computational intelligence by applying state of the art research and development that can increase the value of humanity and environmental aspects. The graduates have the opportunity to fill positions at prestigious firms such as IT Leader, IT Innovator, IT Business Creator, IT Consultant, IT Solution and System Integrator, IT Project Manager, IT Lecturer.

The Graduates of Master Program in Industrial Engineering (IE) is designed to be a leader in supply chain engineering and industrial management with focused on the effectiveness and efficient methods by leveraging the information technology in the organization. This program offers the graduates of industrial engineering to be able to evaluate and integrate the resources such as man, material, machine, method, money and information technology in solving the industrial problems and projects. In addition, the graduates of industrial engineering will have the competency to predict the strategic impact of emerging technologies and innovations in industrial engineering area.

Master Program of Accounting (MAKSI) allows students to develop accounting skills, critical thinking, and IT literacy. The program is appropriate for people interested in improving their accounting skills for their professional career aspiration. It is also suitable for people with limited knowledge in accounting on the assumption that they meet the entry requirements. The graduates of this study program are expected to not only be excellent in accounting discipline but also have insights in the use of IT for strategic decision making. The study program offers industry and IT-oriented curriculum to ensure that the students are able to develop the strategies of financial reporting, auditing and business process development by using relevant IT in addition to other aspects (such as accounting and auditing standards) in maintaining business continuity. The curriculum offers two concentrations, which are management accountant and assurance and attestation, and it covers advanced knowledge in financial accounting, auditing, management accounting and IT fields. The learning process combines theoretical knowledge with practical insights delivered through guest lectures, case study and laboratory activities. The program is taught by qualified academics and prominent practitioners to ensure students' academic and professional competences are enhanced.

Graduates of Master Program in Communication Sciences (MIK) is designed to have competence as a leader in Communication Science, especially in the field of marketing communications strategic that is able to sell products and maintain the good image and branding products of the company or organization both internally and externally, have scientific insights and future strategy. Graduates are equipped with knowledge of leadership and innovation in order to compete in global competition and also knowledge and experience of international research to provide solutions in the social life of the community.

Vision

World class graduate program that continuously pursuing excellence in research by combining science, best practices, and leverage of ICT and innovative ICT Leaders in business and the advancement of knowledge and technology.

Mission

1. Being recognized by industry and peer of similar programs as the source of outstanding researchers, consultants, and business leaders capable in facing the dynamics of Management theories and practices, to improve the quality of life and the competitiveness level of Indonesia.
2. Being recognized by industry and government as a primary source of outstanding visionary ICT leaders and technopreneurs capable in facing the challenge of the future in information systems and information technology. Besides that to generate innovative technologies leading to new products and improved business processes also to improve and enhancing the quality of life.
3. Providing an excellent advanced education/research environment, that attracts potential qualified researchers and industrial practitioners to take up the doctoral program and professional services in information system and information technology enterprise, recognize globally, that attracts and retains talented and creative student body and faculty.

Prospective Career of the Graduates

The graduates of BINUS Graduate Program could take up one or combination of the following roles:

1. As Professional Researchers, actively conducting research and publishing their papers in SCOPUS-indexed international journals.
2. As Industry Consultants, actively conducting high profile consulting projects with leading companies and producing copyrighted frameworks and or white papers.
3. As Business Leaders, actively leading research based on initiatives and actions in their respective company and becoming agent of change in the improvement and or innovation.
4. As managers at respected and multinational companies as, External auditor, Internal auditor. Management accountant, Tax consultant.

4.1 Education System

4.1.1 Method of Education Delivery

The delivery of education services is carried out by using credits (SKS) as a measurement of evaluating students' learning outcomes.

The Credit is a way of organizing higher education programs in order to explain its academic weight.

Semester is a minimum period that describes the duration of the education program.

The General Objective of the credits (SKS) method is to enhance the extent to which higher education can be developed. It involves the presentation of education programs that are flexible and more varied, gives greater opportunity to students when choosing programs, and focuses on planning a definite professional path.

The specific objectives are:

1. Allow the students who are clever and diligent to finish their study in a minimum duration.
2. Allow the students to choose the subject according to their interest, talent, and capacity.
3. Give the possibility to the execution of education system with plural input and output.
4. Facilitate the adaptation of curriculum to a rapid development of knowledge and technology.
5. Enables the evaluation system of advance learning of the students could be conducted optimally.

Basic Characteristic of Credit is:

In credit system, each subject has a weight namely credit value. The number of credit value of subjects is various. It is determined by the effort to finish the tasks presented in lecture program, job training, practical work, and other tasks.

In credit system, each subject is finished in one semester that lasts for 12-16 weeks (exclude mid exam and final exam). In addition to quantitative valuation, credit system acknowledges that the finishing of study unit could be valued in a quantitative manner by giving a weight to the relevant unit. The weight of each subject namely credits.

One credit is made up of:

1. An academic hour of scheduled face to face learning in the classroom with education staff.
2. An academic hour of structured academic activity which is not scheduled but has been planned by education staff (lecturers) e.g.: review session or seminar.
3. An academic hour of independent academic activity like reading, summarizing, working on papers etc.

The delivery of education at BINUS UNIVERSITY is achieved through teaching materials, discussion, speeches, case studies, job training, and practical work.

4.1.2 Evaluation System

Evaluation in Final Score of Master Score

Evaluation System Scoring for Master Program

Element		
Score of Assignment	Score of Paper / Project	Score of Final
30 %	30 %	40%

The evaluation system that meets the objectives of the education is varied according to each courses needs.

The Final Score for the semester is presented with the following Alphabetical Values:

Presented with the following Alphabetical Values:

Table of Grading System for Master Program and Doctorate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Distinction
A-	3.67	85 – 89	Distinction
B+	3.33	80 – 84	Satisfactory
B	3	75 – 79	Pass
B-	2.5	70 – 74	Fail
C	2	65 – 69	
D	1	50 – 64	
E	0	0 – 49	
F	0	-	Incomplete

4.1.3 Credits Load in One Semester

Study load in one semester can be determined by individual ability and by looking at the students' results from the last semester, which are measured by Semester Grade Point Average (IPS/GPS), or all of the semesters by Cumulative Grade Point Average (IPK/GPA).

Semester Grade Point Average (IPS/GPS) is counted as follow:

$$\text{GPS} = \frac{\sum (KN)}{\sum K} = \frac{\sum M}{\sum K}$$

Cumulative Grade Point Average (IPK/GPA) is counted as follow:

$$\text{GPA} = \frac{\sum M}{\sum L}$$

K = Number of credits taken in related semester

N = Weight of each subject taken

M = Conversion Value (K x N)

L = Number of pass credits

4.1.4 The Requirement and Regulation of the Evaluation on the Students' Progress in Studying

Studying Success Evaluation of Graduate Program (S2)

The students must fulfill the following requirements:

- Passing the final examination of thesis and collect its soft covers.
- Obtaining minimum cumulative credits of 42 (including the thesis).
- Achieving GPA at a minimum of 3,00.
- Achieving TOEFL scores at a minimum of 475 or equivalent.
- Not having an outstanding loan (finance, library, and administration).
- Have evident of accepted a paper at International journal or accredited National journal.

Studying Success Evaluation of Graduate Program (S3)

For Doctoral Program the students must fulfill the following requirements:

- Not having an outstanding loan (finance, library, and administration).
- Passing the final examination of Dissertation and collect its Hard Covers (1 exemplar) and softcopy.
- Collecting the Dissertation summary.
- Passing all offered courses in curriculum with minimum grade B.
- Achieving GPA at a minimum of 3,00.
- Collecting Intellectual Property Form.
- Must submit two articles into and published reputable journal indexed by Scopus and has presented a paper as a speaker in an international conference.

4.1.5 Thesis

To finish the graduate program in BINUS, the student is required to prepare, present and defend his/her thesis in front of the board of examiners, and then publish it in journals at the national and international levels. In accordance with his/her interests, the student can choose one of the three patterns thesis offered: (i) Research, (ii) Internship Project, and (iii) Case Study. Thesis research pattern is the result of analysis got from field data obtained through a survey or an experiment, based on the applied scientific principles. While Thesis Internship Project pattern is a designed solution to the strategic problem faced by a company or organization. Thesis Case Study pattern presents a case study of an issue, data, and information related to the activities of a company or organization, as well as deeply review/discuss the case. Thesis is prepared individually with the guidance of a supervisor appointed by the head of department. Each thesis pattern is described in detail in the Guidance of Thesis Writing.

4.1.6 Dissertation

To fulfill the requirements for obtaining a doctoral degree (Dr), Students should finish and submit the dissertation in 4 stages: (i) Dissertation proposal (research proposal) and dissertation proposal exam, (ii) Research Findings and Research Findings Exam, (iii) Dissertation Defense 1, and (iv) Dissertation Defense 2 (Open Dissertation Exam). In order to fulfill the mission of Doctoral degree Program which is to advance knowledge as well as to produce high quality research by integrating science, using the best practices, and leveraging ICT, then the dissertation must consist of either ICT as a research tool, research area, research context, or the combination of all those three.

4.1.7 Academic Title

Students have the rights to carry the academic title from BINUS UNIVERSITY if he/she has fulfilled the requirements to attend graduation. The title given is adapted to the rule of the government.

Programs	Study Level	Academic Title
Information Technology	S2	Magister Teknik Informatika (M.T.I.)
Information Systems Management	S2	Magister Manajemen Sistem Informasi (M.M.S.I.)
Industrial Engineering	S2	Magister Teknik (M.T.)
Accounting	S2	Magister Akuntansi (M.Ak.)
Communication Science	S2	Magister Ilmu Komunikasi (M.I.Kom.)
Doctor of Computer Science	S3	Doktor Ilmu Komputer (Dr.)

4.2 Programs

4.2.1 Master of Information System Management (MMSI)

Introduction

The graduates of Information System Management Study Program have competency as a leader in information system (IS) field of jobs who are able to control the function of IS in organization having both future insight and strategy to achieve vision, mission, and target, particularly regarding to the involvement of IS and Information Technology (IT). In addition, he/she is able to be an IS consultant for organization in planning IS strategy, including evaluation to effectiveness and efficiency of IS application.

Vision

A world class Information System (IS) Graduate Program which creates IS Leaders and Technopreneurs who are able to leverage IS for business advantage.

Mission

The mission of Master of Information System Management is to contribute to the global community through the provision of world-class education by:

1. Preparing outstanding visionary IS Leaders and Technopreneurs which are capable in facing the challenge of the future in information system for quality of life improvement;
2. Providing an excellent advanced education/research and professional services in information system enterprise, recognized globally that attracts and retains talented and creative student body and faculty.

Program Objective

The objectives of the program are:

1. To provide students with IS best practices in order to empower them to become IS Leaders that can attain global competitiveness;
2. To provide students with advanced knowledge in IS for strategic advantage;
3. To provide students with technopreneur's skills in IS business who are able to leverage knowledge and technology.

Student Outcomes

After completing the study, graduates are:

1. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to design, create, engineer, and implement information systems at the corporate level;
2. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to integrate corporate-level information systems based on the results of the analysis and synthesis of various business models of the corporation;

3. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to evaluate and improve the productivity and quality of information systems at the corporate level in line with technological developments;
4. Able to do research with various corporate business models using "knowledge based repository" with a mono, multi or interdisciplinary approach, either independently or in groups to be able to evaluate and improve the security and maturity of Information and Information Technology and Information Systems at the corporate level;
5. Able to deepen or expand the application of electronic business theory (e-business theory), managerial information system leadership (information system leadership theory), strategic knowledge management, information system quality assurance and control theory, accurately, tested, and innovative;
6. Able to provide innovative alternative solutions based on global business model supported by knowledge based repository (knowledge based repository) based on multidisciplinary research results independently or groups;
7. Able to integrate corporate-level information systems based on analysis and synthesis results through the alignment of business strategy and Information System and Information Technology and Communication strategy from various business model of corporation;
8. Able to plan, implement, and monitor information system development projects in an effort to improve the productivity and quality of information at the corporate level;
9. Able to run and organize the governance of Information and Communication System in an integrated manner using the latest scope of work so as to improve corporate performance;
10. Able to develop ideas and creativity in the planning and development of electronic business model based systems and Information and Communication Technology applied at the personal and corporate level;
11. Able to provide innovative recommendations based on the evaluation of the level of security and maturity Information and Information Technology and Information Technology at the corporate level based on the framework of international standard quality;
12. Skilled in English as a supporting language in communicating and corresponding in a global environment.

Prospective Career of the graduates

MMSI graduates have the opportunity to get positions at some prestigious firms, such as the IS Function Division, Top Management, Consultant and System Integrator, IS Project Manager, dan Business Analyst.

Curriculum

The curriculum of MMSI Study Program consists of a set of plans and arrangements related to the subject, content, study materials, lesson material and the delivery method, as well as assessment used as a guideline for the implementation of learning activities in Bina Nusantara University. This curriculum supports the development of graduates' competency standards which is structured into the main competencies, general competencies, and others that support the achievement of the study goals, the implementation of the mission, and the realization of the vision of MMSI Study Program. In addition, the curriculum includes a distribution of courses that support the achievement of graduate competencies and provide flexibility to students to broaden their knowledge and deepen their expertise in accordance with their interests, as well as with course descriptions, syllabus, lesson plans and evaluation. In its design, the MMSI Study Program curriculum considers the curriculum's relevance to the study goals, scope and depth of the material, the organizing that encourages the formation of hard skills and the soft skills that can be applied in various situations and conditions. Curriculum and materials are obtained from various sources, such as

Ministry of Research Technology and Higher Education Republic of Indonesia (Kemenristekdikti) regulations, benchmarks with similar program curricula in various international institutions, as well as input from some prominent industries and alumni discussion sessions held by MMSI Study Program.

MMSI Curriculum with MMSI degree is specifically designed for scholars and IS practitioners who are interested to become ICT Leaders, both in the field of research and development and in performing their functions and roles as:

- Chief Information Officer (CIO) as a top leader in IS system who is expert in managing, developing, and utilizing IS corporation to win the competition;
- Technopreneur as an expert who has entrepreneurial spirit capable of evaluating, analyzing, and providing recommendations to develop an integrated IS architecture in an effort to improve corporate competitiveness.

Therefore, to prepare graduates who are able to achieve those abilities MMSI Study Program has 2 specializations in the curriculum, those are:

1. IS Strategic Management (ISSM)
2. Technopreneurship (TE)

Each of the interests has the same general competence and support, but each specialization has a distinctive support competence. The explanation of the above-mentioned interests is as follows:

IS Strategic Management (ISSM)

Specialization of Information System Strategic Management (ISSM) is a program designed to prepare professionals who have the ability to plan strategic IS and to design a blue print of system strategic information for the company. This specialization is focused on how to manage, develop, and utilize the functions of IS operational companies to win the competition.

This specialization is a program designed for those who are preparing to become leaders in the field of strategic ICT and professionals who already have managerial experience, and they want to deepen the IS science and also master the competencies associated with IS management. They will be experts in managing, developing, and utilizing Information System/Information Technology (IS / IT) resources to maintain the companies' competitiveness in the midst of a very tight competition in the globalization era. In this program, students are taught and trained to make some strategic decisions in resource utilization to be a good and realistic application system. Also, the students are also taught soft skills in the field of leadership and organization. In general, the program emphasizes strategic and analytical thinking methods needed by business leaders. Students will be challenged to not only understand theoretically, but also how to solve business problems using real IS / IT support.

Technopreneurship (TE)

Specialization of Technopreneurship (TE) focuses on developing entrepreneurial spirit capable of performing evaluation, analysis, and recommendation activities to develop an integrated IS enterprise architecture to increase the company's business value. This specialization is a program designed for those who are preparing to become an entrepreneur who is mastering management science and strategic business.

The students are professionals having managerial experience, and they want to deepen the science of Technopreneur. Next, they will become leaders who are able to develop a business by utilizing the support of IS/IT to start opening new business and also mastering the competencies associated with making business plans, such as

how to get business ideas, business analysis, market analysis, making financial cashflow, and ROI of an investment to start a business as Technopreneur.

The curriculum and materials that will be delivered to the students should be reflected in the Course Outline (CO) of Learning Outcome (LO) and Graduate Competence which has been determined by MMSI Study Program. In delivering materials, lecturers are selected not only from the academicians having expertise in entrepreneurship, but also have experience to be practitioners, especially those who have relationship with investors (venture capital) who want to provide capital to students who have a business idea that is visible, feasible to be financed, and can be implemented. The student will be a leader who will manage the business in starting a new business (*Startup*).

Course Structure

SEMESTER 1

Period 1

Course	SCU
ISYS8033 – Services Oriented Enterprise	4
MGMT8046 – Project and Change Management	4

Period 2

Course	SCU
RSCH8086 – IS Research Methodology	4
Streaming : IS Strategic Management	
ISYS8034 – Digital Business and E-Commerce Management	4
Streaming : Technopreneurship	
ENTR8006 – Entrepreneurship and New Venture Creation	4

SEMESTER 2

Period 1

Course	SCU
ISYS8035 – Advanced Enterprise Architecture	4
MGMT8047 – Advance Topic in MIS	4
RSCH8087 – Pre Thesis	0

Period 2

Course	SCU
ISYS8036 – Business Intelligence and Analytics	4
Streaming : IS Strategic Management	
ISYS8037 – Emerging ICT Issues and Valuation	4
Streaming : Technopreneurship	
ENTR8007 – Social Network and Engagements	4

SEMESTER 3**Period 1**

Course	SCU
ISYS8038 – IS Security and Risk Management	4
RSCH8083 – Thesis (Colloquium)	2
RSCH8084 – Academic Writing Paper (Publication)	0

Period 2

Course	SCU
RSCH8085 – Thesis	4

4.2.2 Master of Information Technology

Introduction

It is expected that the graduates of Information Technology Study Program have competency as a leader with vision and future insight, able to design and apply information technology that will improve work performance of organization.

It emphasizes on following aspects:

1. Advise
Able to provide an input about products, services, strategy and structure organization, particularly regarding to technical competency of Information and Communication Technology (ICT).
2. Value/Assess
Doing research on products, copy rights, facilities and human resource in context of organization business and the possibility of new potential business.
3. Vision
Building a vision about possible technology and its impact to organization business area, and how to use the benefit with its changes.
4. Communicate
Communicating organization's vision to the staff in supporting the change and increasing organization's profit.
5. Manage
Managing the development and operational of ICT division to support utilization of technology for organization and preparing the expert to new technology.
6. Innovate
Get involved into research and product development directly, especially for creative process and its utility evaluation.

Supplies for the Post-Graduate Study Program consist of two aspects: information technology and business knowledge where it is expected that the graduates will have a commanding view to the process and performance of business corporate. The supply focuses on information technology referring to research, management and latest technology update.

Process management in development of information technology is the core of subject given, including IT Services, IT Strategic Management, IT Strategic Planning, Advanced Software Engineering, and Information Integration

Technology. Technical aspect which has become new trend, such as Service Oriented Architecture, Open Source Architecture, Web/Mobile Technology and Network Issue turn into varieties in delivering the materials.

Vision

A world class ICT Graduate Program which delivers visionary and innovative leaders in the advancement of ICT knowledge and applications.

Mission

The mission of Master of Information Technology is to contribute to the global community through the provision of world-class education by:

1. Preparing outstanding visionary ICT leaders for industry and government which are capable in facing the challenge of the future in Information Communication Technology.
2. Providing an excellent advanced education/research and professional services in information technology, recognized globally, that attracts and retains a talented and creative student body and faculty.
3. Generating innovative technologies leading to new products and improved business processes, thus enhancing the quality of life.

Program Objective

The objectives of the program are:

1. To provide students with ICT best practices in order to increase their competitive advantage by applying the leading technologies;
2. To provide students with advanced knowledge in innovation, technology, and leadership in order to pursue efficient as well as effective business processes;
3. To provide students with international experience in research and development in order to improve humanity as well as environmental aspects.

Student Outcomes

After completing the study, graduates are:

1. Able to propose solutions to the problems with implementing the Information Technology in a dynamic and complex environment in the form of innovative work tested through the research and development of information technology in accordance the scientific study and professional practice;
2. Able to develop software application to solve the problems that can be solved with Information Technology in the complex and dynamic environment using Scientific research approach;
3. Able to develop methods and Information Technology using inter and multidisciplinary research approaches to produce tested innovative work and commercialized applicative potential in the information technology field;
4. Able to analyze and design the blueprints of Information Technology and effective Information Technology infrastructure management based on a scientific study and professional practice;
5. Able to plan the Information Technology projects using effective knowledge management of information technology project based on the principles of good governance;
6. Able to develop science and Information and Communication Technology using artificial intelligence method to produce innovative products that can be applied in various fields;

7. Able to develop science and Information and Communication Technologies using governance method of the infrastructure network to produce blueprint strategy and Information and Communication Technology in an organization with a service-oriented approach;
8. Able to develop science and Information and Communication Technology using latest data processing and the information methods to produce knowledge that can be used to win the global competition.

Prospective career of the graduates

Master of Management Information System graduates have the opportunity to fill positions at prestigious firms such as IT Leader, IT Innovator, IT Business Creator, IT Consultant, IT Solution and System Integrator, IT Project Manager, IT Lecturer.

Curriculum

To achieve the vision of "world class graduate program", it is necessary to provide subjects with conceptual and fundamental content as well as practical that refers to an International standard curriculum, as well as courses that are filled with Information Technology applications. In addition, the "in continuous pursuit of innovation and enterprise" vision is realized by regularly revising the curriculum used primarily to anticipate the development of the labor market and the rapidly expanding knowledge in information technology. Some references are used in the determination of current technology trends, such as Gartner, Inc. on Top 10 Strategic Technology Trends for 2015 and IEEE-CS Top Technology Trends 2015. The two studies suggest that Cloud Computing, Big Data, Internet of Thing, and Mobile Computing are four technological trends by 2015. Therefore, the MTI study program has developed curriculum in order to follow the trend of this technology. In addition to the government regulations that require publication for every graduate of the S2 program, the MTI study program has developed a curriculum to ensure that each student can create and have scientific publications before graduating with a research enrichment approach for each course. In addition, based on the results of focus group discussion with students it is found that the potential of new students coming from industry that quite a lot come from various areas spread. They are constrained by time and place because they have to work during college so it is less flexible if they have to come to campus every day. So the MTI study program develops a curriculum with a more flexible learning system which does not reduce the quality of learning by using blended learning system.

Course Structure**SEMESTER 1****Period 1**

Course	SCU
COMP8029 – IT Security and Risk Management	4
MOBI8002 – Mobile Technology & Cloud Computing	4

Period 2

Course	SCU
RSCH8079 – IT Research Methodology	4
Streaming : Information Engineering	
COMP8030 – Advanced Database Systems	4
Streaming : IT Strategic and Infrastructure Management	
CPEN8004 – Network Governance	4

SEMESTER 2**Period 1**

Course	SCU
COMP8031 – IT Services	4
RSCH8080 – Pre Thesis	1
Streaming : Information Engineering	
COMP8032 – Selected Topics in Information Engineering	4
Streaming : IT Strategic and Infrastructure Management	
COMP8033 – Selected Topics in IT Infrastructure Management	4

Period 2

Course	SCU
Streaming : Information Engineering	
COMP8034 – Knowledge Data Discovery	4
COMP8035 – Big Data Analytics	4
Streaming : IT Strategic and Infrastructure Management	
COMP8036 – Services Oriented Architecture	4
COMP8037 – IT Strategic Planning & Enterprise Architecture	4

SEMESTER 3**Period 1**

Course	SCU
ISYS8032 – IT Project Management	4
RSCH8081 – Writing paper & Colloquium thesis	2

Period 2

Course	SCU
RSCH8082 – Thesis	3

4.2.3 Master of Industrial Engineering

Introduction

The graduate program in Master of Industrial Engineering has the ability to contribute significantly in connecting the organizational goals through an optimal operational performance, by involving all the elements of human, machines, methods, money, materials, information technology and environment. They are expected to be able to bring a constructive breakthroughs and value added to the competitiveness of the organization, through analysis, design, innovation, implementation and continuous improvement of the system and operational as well as to increase the organization performance. Practitioners in Industrial Engineering are expected to be able to lead the industrial management and make the logistic and supply chain divisions as one of the major forces that bring the company to be a winner in the world business competition.

As one of the leading IT-based educational institution that has been experienced, BINUS UNIVERSITY Graduate Program dedicates the graduate education programs in industrial engineering to meet the industrial needs to become the leaders in logistics, supply chain and quality management industries. BINUS Graduate Program provides a curriculum that emphasizes the lectures in information technology field to offset the formation of strategic thinking and analytical patterns that equip the students with a range of competencies in industrial engineering and managerial fields to become future leaders.

The graduates of Industrial Engineering Program will have competency as a leader in supply chain engineering and industrial management which is able to control the function of man, material, machine, money, method/system and information technology in order to reach the vision and mission of companies. In addition, he/she is able to act as industrial engineering consultant for organization in solving the problems, including the assessment and evaluation to effectiveness and efficiency of the system in industry.

Vision

The most prestigious and dynamic Industrial Engineering School in Indonesia by producing globally competitive graduates.

Mission

The mission of Master of Industrial Engineering is to contribute to the global community through the provision of world-class education by:

1. To produce the graduates who have comprehensive knowledge as global leader in industrial engineering field and capable to apply the principles of science engineering, information and communication technology (ICT) to understand, communicate, and synergize the team work in solving the industrial within their profession based on national and international curriculum standard;
2. To produce the graduates who involved in research, communication, leadership and sustainability with multidiscipline approach with the highest standard of profession and ethical practice in the area of industrial engineering to increase the quality life of society in national and international;
3. To produces the graduates who have advanced industrial engineering skills, information communication and technology, and entrepreneurship to contribute to the field of engineering, economy, and environment globally.

Program Objective

The objectives of the program are:

1. To provide students with industrial engineering best practices in order to attain the global competitiveness as Supply Chain and Industrial Management Leaders;
2. To provide students with advanced knowledge in Industrial Engineering for strategic advantage;
3. To provide students with information technology skills in industrial engineering to leverage the knowledge and technology.

Student Outcomes

After completing the study, graduates are:

1. Able to solve the problems of engineering and technology and designing integrated systems utilizing other scientific fields (if necessary) noticed to economic factors, health and public safety, cultural, social and environmental;
2. Able to expand of knowledge in design, operation, and improvement of integrated systems to give an original contribution and tested through research independently;
3. Able to formulate new ideas (new research question) the results of research to develop technology design, operation, and integrated improvement systems;
4. Able to adapt the changes of science or technology occurred in the implementation process and substance of research of design, operation, and integrated systems improvement;
5. Able to propose alternative solutions to solve the problems the service industry through research in design, operation, and integrated systems improvement;
6. Able to design innovative industrial systems and proven by integrated information technology through multi / interdisciplinary approach;
7. Able to propose alternative solutions to resolve the problems of supply chain with industrial engineering science approach;
8. Able to design systems in the industry supply chain are integrated with information technology through multi / interdisciplinary approach.

Prospective Career of the graduates

Master of Industrial Engineering graduates have the opportunity to fill the positions at prestigious firms such as the Industrial Engineering Function Division Top Management, Supply Chain Engineer, Engineering Consultant, Project Manager, Quality Engineer, Manufacturing Engineer, Production Engineer, Human Resources Management, Lecturer, and Researcher.

Curriculum

Master of Industrial Engineering Program is designed to comply with national and international curriculum standard in Industrial Engineering. The student emphasizes on the application, analysis, and evaluation of complex systems in industrial engineering problems. Furthermore, the curriculum for master of industrial engineering stresses on the student's soft skills to fulfill the company's requirements in management, leadership, and engineering. Therefore, in order to answer the global competitiveness, this program provides specialization on Supply Chain Engineering and Industrial Management.

Course Structure**SEMESTER 1****Period 1**

Course	SCU
STAT8006 – Statistical Analysis & Research Methodology	4
ISYE8022 – Engineering Optimization	4

Period 2

Course	SCU
ISYE8014 – Quality Assurance & Total Quality Management	4
ISYE8015 – Selected Topic in Industrial Engineering	4

SEMESTER 2**Period 1**

Course	SCU
MGMT8045 – Operation Management	4
Streaming : Industrial Management	
ISYE8016 – Industrial System Design	4
Streaming : Supply Chain Engineering	
ISYE8017 – Supply Chain and Logistics	4

Period 2

Course	SCU
ISYE8018 – Human-Integrated System & Occupational Safety and Health Administration	4
RSCH8088 – Pre Thesis	0
Streaming : Industrial Management	
ISYE8019 – Service Engineering	4
Streaming : Supply Chain Engineering	
ISYE8020 – Supply Chain Modelling	4

SEMESTER 3**Period 1**

Course	SCU
ISYE8021 – System Simulation and Modeling	4
RSCH8089 – Writing Paper and Thesis Colloquium	0

Period 2

Course	SCU
RSCH8011 – Thesis	6

4.2.4 Master of Accounting

Introduction

The Master of Accounting allows students to develop accounting skills and IT literacy while demonstrating the competency of how to conduct an independent research. The program is appropriate for people interested in improving their accounting skills for their professional career aspiration. It is also suitable for people with limited knowledge in accounting on the assumption that they meet the entry requirements. The graduates of this study program are expected to not only be excellent in accounting discipline but also have insights on the use of IT for strategic decision making.

Vision

To implement a globally recognized and innovative Master of Accounting program by delivering information technology (IT)-based curriculum that meets the requirements of the global accounting profession.

Mission

The mission is to provide a high quality of Master of Accounting program through learning activities, research and community service by:

1. Developing global accounting professions-oriented and IT-based curriculum;
2. Preparing students for career opportunities through focusing on managerial responsibilities in international affiliated accounting firms, industry and government sectors;
3. Enabling students to develop accounting knowledge and technology and implement it in the accounting profession by conducting internationally recognized research activities;
4. Encouraging contribution to the local and global communities, accounting professions and accounting education through the provision of graduates with leadership as well as accounting and IT skills.

Program Objective

The objectives of the program are:

1. To fulfil global accounting profession needs by providing innovative and international standard study program through developing accounting professions-oriented and IT based curriculum;
2. To provide career opportunities for graduates in managerial level at respected and multinational companies;
3. To improve research skills of graduates by encouraging them to publish their research results in international journals and/or conferences;
4. To contribute to the society by providing graduates with leadership as well as accounting and IT skills.

Student Outcomes

After completing the study graduates are:

1. Able to develop application theories include: financial accounting / auditing / taxation / accounting management / accounting information system;
2. Able to develop methods and analysis techniques in the preparation of accounting policy and decision making by using inter and multi disciplinary strategies;

3. Able to advance the scientific disciplines of accounting through the results of the research in the form of an improved and new ideas that are useful for society with multiparadigm perspectives;
4. Able to make decisions on a wide-range of accounting theories and research methods options with inter and multidisciplinary approaches;
5. Able to manage research and development of accounting theory independently and / or in groups that benefit society and science;
6. Able to develop an audit strategy and analyze the needs of external and / or internal audit by utilizing relevant information technology;
7. Able to make decisions on development of business processes by considering the resources factors (human, supporting technology and financial budget), the corporate's performance and its vision and mission.

Prospective Career of the graduates

Master of Accounting graduates have career opportunities in the managerial level at respected and multinational companies as:

- External auditor;
- Internal auditor;
- Management accountant.

Curriculum

The study program offers industry and IT-oriented curriculum to ensure the students are able to develop the strategies of financial reporting, auditing and business process development by using relevant IT in addition to other aspects (such as accounting and auditing standards) in maintaining business continuity. The curriculum offers two concentrations, which are management accounting and assurance and attestation, and it covers advanced knowledge in financial accounting, auditing, management accounting and IT fields. The learning process combines theoretical knowledge with practical insights delivered through guest lectures, case study and laboratory activities. The program is taught by qualified academics and prominent practitioners to ensure students' academic and professional competences are enhanced.

Course Structure

SEMESTER 1

Period 1

Course	SCU
ACCT8002 – Corporate Reporting	4
RSCH8065 – Research Methodology in Accounting and Business	4

Period 2

Course	SCU
ACCT8004 – Advanced Management Accounting	4
RSCH8071 – Quantitative and Qualitative Data Analysis	4

SEMESTER 2**Period 1**

Course	SCU
FINC8007 – Advanced Financial Management	4
ACCT8003 – Business Ethics and Corporate Governance	4

Period 2

Course	SCU
RSCH8066 – Pre-Thesis	0
Streaming : Management Accounting	
ACCT8005 – Strategic Management Control System	4
Streaming : Assurance and Attestation	
ACCT8007 – Compliance Auditing and Internal Controls	4

SEMESTER 3**Period 1**

Course	SCU
ISYS8030 – Business Solution Analysis	4
Streaming : Management Accounting	
MGMT8038 – Performance Management and Reporting	4
Streaming : Assurance and Attestation	
ACCT8006 – Forensic Accounting and Investigative Auditing	4

Period 2

Course	SCU
RSCH8067 – Thesis (Final Defense Examination)	6

4.2.5 Master of Communication Science**Introduction**

The study program of Master in Communication Science BINUS UNIVERSITY established since September 2017, in order to develop the scientific field of Communication and expertise to work as indicated in the curriculum of the study program of Master in Communication with a focus on the fields of Marketing Communication Strategic with excellence, uniqueness and characteristics to the Integrated Marketing Communication-based curriculum that is supported by IT and infrastructure at BINUS UNIVERSITY. The study program of Master in Communication Science BINUS UNIVERSITY with specialization in Marketing Communication Strategic focusing in addition to scientific development, is also a source or a place to learn to acquire skills and work according to the market needs, as a Manager of Marketing Communication, Manager of Corporate Communication, and as a Public Relations of Firm, Marketing Communications Consultant, and Communication Sciences Lecturer in specialization of Marketing Communication Strategic. In addition, the excellence study program of Masters in Communication Science with a focus on curriculum of Marketing Communication according to the demands and needs of the world of work in the field of Marketing Communication at this time and forward. Graduates of Master of Communication Sciences has

competence as a leader in Communication Studies, especially in the field of marketing communications that is able to sell products and maintain the good image and branding products of the company or organization both internally and externally, have scientific insights and future strategy.

Vision

To become an Excellent, Professional and World Class Master of Communication Program based on Information Technology, Cultural Values and Local Wisdom.

Mission

The mission of Master of Communication Science is to contribute to the global community through the provision of world-class education by:

1. Educating and developing students' self-potential with advanced knowledge through theoretical and practical abilities;
2. Preparing students to be leaders in the field of Communication Studies with globally competitive expertise;
3. Preparing students with the knowledge in accordance with the development of communication science to be able to compete through the development of research in the field of communication science nationally and internationally;
4. Educating students in providing professional services in the field of communication for development and empowerment.

Program Objective

The objectives of the program are:

1. Providing students with advanced knowledge in communication science specifically in Marketing Communication which characterized by business and the use digital technology;
2. Providing students with knowledge of leadership and innovation in order to compete in global competition;
3. Equipping students with the knowledge and experience of international research to provide solutions in the social life of the community.

Student Outcomes

After complete the study, graduate are:

1. Able to develop communication theories (applied theory) through inter / multi disciplinary research in social life by utilizing the development of communication and information technology;
2. Able to innovate in the field of communication, including mass media, business communication, marketing for advertising business, and areas related to the field of communication;
3. Able to propose alternative solutions to social problems through the innovative approach to the communication science;
4. Able to formulate strategies to improve the performance of the organization both internally and externally with communication science approach;
5. Able to formulate marketing communications strategy for company or products by applying the approach of communication science and utilization of communication and information technology;
6. Able to develop a business plan by applying communications science specially in business communication.

Prospective Career of the graduates

Master of Communication Sciences graduates have the opportunity to fill positions in Public Relations of Firm or Marketing Communications Firm, Manager of Marketing Communication, Manager of Marketing Public Relations, Manager of Corporate Communication, Marketing Communications Consultant or Business Communication Consultant, Communication Sciences Lecturer in specialization of Marketing Communication Strategic, and staff of experts in the field of marketing communications both in government and private.

Curriculum

Curriculum Concept of Master in Communication Sciences, focused on the Marketing Communication Strategic with integrated marketing communications curriculum, as it spread in the course of the following:

Course Structure

SEMESTER 1

Period 1

Course	SCU
COMM8002 – Advanced Theory of Communication	4
RSCH8061 – Research Methodology for Communication	4

Period 2

Course	SCU
COMM8001 – Philosophy of Communication Science	4
RSCH8062 – Research Proposal	4

SEMESTER 2

Period 1

Course	SCU
COMM8004 – Cyber and Digital Marketing Communication Strategy	4
COMM8005 – Public Relations and Global Marketing Communication	4

Period 2

Course	SCU
MGMT8036 – Management of Business Communication	4
COMM8003 – Media Relations Strategy	4

SEMESTER 3

Period 1

Course	SCU
RSCH8063 – Research Result	4

Period 2

Course	SCU
RSCH8064 – Thesis	6

4.3 Course Description

SUBJECT AREA: ACCT

ACCT8002 – CORPORATE REPORTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss the professional and ethical duties of accountants; Discuss financial accounting theories and integrated reporting theories; Prepare corporate report in accordance to financial accounting and integrated reporting; Presenting reporting issues as related to special entities and changes in accounting regulations and reporting; Concluding entities financial performance and positions; Outlining current developments in corporate reporting.

Topics: Professional and ethical duties of accountants; Financial Accounting Theories; Integrated Reporting Theories; Corporate Reporting (financial accounting and integrated reporting); Corporate Reporting Issues (Financial reporting); Financial Performance and positions; Current development in corporate reporting.

ACCT8003 – BUSINESS ETHICS AND CORPORATE GOVERNANCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Relate economics foundation to corporate governance; Relate philosophies to corporate governance; Relate business ethics to company operations; Relate corporate governance and business ethics.

Topics: Economic foundations of corporate governance; Philosophical foundations of corporate governance; Business Ethics; Corporate governance and business ethics.

ACCT8004 – ADVANCED MANAGEMENT ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Appraise the role of management accountants in an organization; Identify manufacturing cost, non manufacturing cost, and classify service department cost to other operating departments/units using the cost behavior concept; Calculate the break-even-point and use activity-based costing and management, JIT, target costing techniques to compute unit product cost; Prepare job order cost sheet, cost of production report, and financial budget for organization; Construct balance scorecard and analyze the most profitable use of a constrained resource and the value of obtaining more of the constrained resource; Interpret the model of management accounting in strategic decision making..

Topics: Managerial Accounting and Global Business Environment, Cost Concept and Cost Behavior; Product Costing; Activity-Based Costing (ABC); Activity-Based Management (ABM); Cost-Volume-Profit Relationship; Variable Costing: A Tool for Management; Profit Planning and Flexible Budgets; Balance Scorecard; JIT (Lean Accounting), Cost of Quality, and Target Costing; Investment Centers and Transfer Pricing; Relevant Cost for Decision Making; Cost Allocation and Joint Costs; Environmental Cost Management.

ACCT8005 – STRATEGIC MANAGEMENT CONTROL SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Develop and recommend method to analyse management control alternatives with their effects; Develop and recommend method to analyse financial results as control systems; Develop and recommend method to solve performance measurement issues and its effects; Develop and recommend method to deal with corporate governance related to management control systems and environmental uncertainty, organizational strategy, and multinational affected management control systems; Assess and design method and strategy to manage cost; Assess and design method to plan and make decision through cost estimation, profit planning, budgeting, strategic emphasis, capital investments and cost planning.

Topics: Management and Control and Results Controls; Action, Personnel, and Cultural Controls; Control System Tightness; Control System Costs; Designing and Evaluating Management Control Systems; Financial Responsibility Centers; Planning and Budgeting; Incentive Compensation Systems; Financial Performance Measures and Their Effects; Combinations of Measures and Others Remedies to the Myopia Problem; Using Financial Results Controls in the Presence of Uncontrollable Factors; The Effects of Environmental Uncertainty, Organizational Strategy, and Multinational on Management Control Systems; Cost Management and Strategy, Implementing Strategy, and Basic Cost Management Concepts; Costing: Job Costing, Activity-Based Costing, and Process Costing; Cost Allocation and Cost Estimation; Profit Planning & Budgeting; Decision Making with a Strategic Emphasis; Strategy and the Analysis of Capital Investments.

ACCT8006 – FORENSIC ACCOUNTING AND INVESTIGATIVE AUDITING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define and Identify fraud, potentially fraudulent situation, and abuse; Define financial forensics and identify an appropriate methodology for a given financial forensic fact pattern; Explain the legal elements of fraud and identify common fraud schemes; Understand the concepts of information systems audit, application controls and computer-assisted audit techniques (CAATs); Describe and demonstrate the fraud examiner/financial forensic professional's approach to investigations.

Topics: Introduction to Fraud Examination and Financial Forensics; Careers in Fraud Examination and Financial Forensics; Who Commits Fraud and Why; Schemes and Illegal Acts; Cybercrime; Legal Regulatory and Professional Environment; Fraud Detection Red Flags; Detection and Investigation; Effective Interviewing Techniques; Fraud Schemes; Corruption and human factors; Financial Litigation Advisory Services and Remediation; Computer-assisted audit techniques (CAATs); Continuous auditing.

ACCT8007 – COMPLIANCE AUDITING AND INTERNAL CONTROLS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyse the requirements needed to comply the latest version of COSO internal control integrated framework; Conduct internal controls over financial reporting with detailed sections covering each element of the framework; Design rigorous internal controls over financial reporting audit and compliance for public or non-public companies based on the latest version of COSO internal control integrated framework.

Topics: What we all share – Overview of the COSO Internal Control Integrated Framework; Setting the scope of your documentation project: Identifying the core; The risk assessment component; Control environment; Control activities; Information and communication; Monitoring; Evidence testing; Developing questionnaires and conducting interviews; Assessing the severity of identified control deficiencies; Reporting requirements; Project management tools assessment design; Illustrative forms and templates.

SUBJECT AREA: COMM

COMM8001 – PHILOSOPHY OF COMMUNICATION SCIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Applying the philosopher's thought about communication such as Of 'this' communication, architecture of intersubjectivity, language and communication, difference, community and communicability; Analysing the social phenomena based on the philosopher's thought about communication such as Of 'this' communication, architecture of intersubjectivity, language and communication, difference, community and communicability; Evaluating the philosopher's thought about communication such as Of 'this' communication, architecture of intersubjectivity, language and communication, difference, community and communicability.

Topics: Introduction to Philosophy of communication; Leibniz on New system of the Nature of communication; Husserl on the Fifth Meditation: Uncovering the Sphere; Saussure on the Structure of Communication; Peirce on the Life of Signs; Foucault on Discourse and Power; Eco on Culture and Communication; Derrida and the Deconstruction of Communication; Gadamer on Communication as Hermeneutics; Wittgenstein on Language as A Form of Life; Austin and Speech Act Theory; Chomsky on Linguistic Theory; Grice and the Theory of Conversation; Searle and the Intentionality of Speech Acts; Habermas on Communication and social Theory; Nancy on Of Being Singular Plural.

COMM8002 – ADVANCED THEORY OF COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain several theories of communication about the communicator, the message, the conversation, the relationship, the group, media, culture and society, etc; Analyze the phenomenon of the interpersonal or group or mass or society events based on theories of communication perspectives such as the communicator, the message, the conversation, the relationship, the group, media, culture and society, etc; Apply the interpersonal or group or mass or society events, the things and the phenomenon by theories of communication perspectives such as the communicator, the message, the conversation, the relationship, the group, media, culture and society, etc.

Topics: Conceptual Foundations; Traditions of communication theory; The communicator-1; The communicator-2; The message-1; The message-2; The conversation; The relationship; The group; The organization-1; The organization-2; The organization-3; The organization-4; The organization-5; The media; Culture and society.

COMM8003 – MEDIA RELATIONS STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Applying the strategically various types of media from time to time; Analysis of the rise of various types of media industries; Implementing and evaluating current Indonesian media industry problems.

Topics: Introducing the Media Relations Strategy; Development Analysis of Newspapers; Radio Development and Analysis; Television Development Analysis; Internet Development Analysis; Media and Indonesia Society; Media Uses and Effects; Media Policy and Law; Media Ethics; Global Communication Media; The Changing Media (Enrichment); Radio Reject to Die (Enrichment); Media Convergence and Multiplatform (Enrichment); Media and Development of Indonesian Society (Enrichment); Media and Politics in Indonesia (Enrichment); Media Traditional versus Social Media (Enrichment).

COMM8004 – CYBER AND DIGITAL MARKETING COMMUNICATION STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Applying the strategically cyber and digital marketing communication on national and multinational corporation; Analysing the national and multinational corporation communication, and then setting the solution in cyber and digital marketing communication contexts; Implementing and evaluating the digital marketing communication strategic.

Topics: Introducing the Cyber and digital marketing communication; Consumer behavior analysis; Technology-environment analysis; Digital marketing communication strategy; The internet and the marketing mix; Relationship marketing communication using digital platforms; Delivering the online customer experience; Campaign planning for digital media; Search engine, online communication strategy; Interactive advertising and mobile text messaging strategy; Social media communication strategy; Evaluation and improvement of digital channel performance; Business-to-consumer digital marketing communication; Business-to-business digital marketing communication.

COMM8005 – PUBLIC RELATIONS AND GLOBAL MARKETING COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Applying the strategically public relations and marketing communication on the multinational corporation; Analysing the multinational corporation problem, and then setting the solution in PR, and marketing communication contexts; Implementing and evaluating the public relations and marketing communication strategic.

Topics: The introduction of PR and global marketing communication; The global economic and marketing environments; the theory of globalization and public relations; Analyzing the situation; Analyzing the organization; Analyzing the public; Establishing goals and objectives; Formulating action and response strategies; Using effective strategies; Choosing communication tactics; Implementing the strategic plan; Evaluating the strategic plan.

SUBJECT AREA: COMP

COMP8029 – IT SECURITY AND RISK MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the basic terminology of IT security and recognize the individual components of the big picture of IT security; Explain how the process and steps of a hacker exploits the target; Demonstrate how to make and to propagation malicious software; Analyse the nature of information security and the risk involved; Construct the necessary mitigations for probable security events; Develop disaster recovery methods and business continuity plan.

Topics: Introduction to IT security and Risk Management Fundamentals of Data and Signals; Concept of attacker Conducted and Wireless Media; TCP/IP Concept Review Making Connections; Identification and authentication Making Connections Efficient: Multiplexing and Compression; CryptographicErrors, Error Detection, and Error Control; Access control system, Local Area Networks: The BasicsPhysical and infrastructure security; IT Risk Management; Business Impact Analysis; Incident Response Plan - Preparation; Incident Response Plan - Documentation; Disaster Recovery plan; Business Continuity Plan.

COMP8030 – ADVANCED DATABASE SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain basic concepts of Data Warehouse, Data Warehouse development, architecture and business intelligence applications; Design a dimensional and physical model for data warehouse; Comprehend ETL strategies; Design and develop business intelligence applications.

Topics: Introduction to Data Warehouse; Basic concepts of Data Warehouse; Data Warehouse development; Requirements collection; Technical architecture; Dimensional modeling; Designing dimensional model; Physical database design; Introduction to ETL (Extract Transform Load); ETL design and development; Business intelligence applications.

COMP8031 – IT SERVICES (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Applying IT Services as key Corporate Strategies; Understand on how Information Technology could be used as Services Offering; Capable to build a framework on how Information Technology could differentiate in Challenging Business Environment; Applying IT Services in any level of Organizations as key Innovators; Evaluate a case studies/literature review, solution as a professional practitioner and a creative thinker in the Enterprise IT Services.

Topics: IT Services as part Of Corporate Strategy; Organizing for System Management; Availability; Performance & Tuning; Problem & Change Management; Storage Management; Network Management; Configuration and Asset Management; Security management; Integrating System Management Process.

COMP8032 - SELECTED TOPICS IN INFORMATION ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand the need of information for business and the principle components of a multimedia information retrieval system and how they differ from other retrieval systems, most notably text information retrieval systems; Improve the skills, technologies, applications and

practices that enhance the use of information for better decision making and state the computational principles underlying both current and emerging multimedia information retrieval systems; Describe a strategy and specific actions for addressing targeted problems and issues related to a business intelligence initiative and the importance of the human perception of multimedia data for the purpose of content-based retrieval; Understand standards for description and retrieval of multimedia content; Implement the steps of Business Intelligence development; Analyse and criticize previous research on multimedia indexing and retrieval.

Topics: An Overview of IT Project Management; Identifying and Prioritizing Business Intelligence-Driven Opportunities; Business Intelligence Readiness: Prerequisites for Leveraging Business Intelligence to Improve Profits; Business Intelligence Development Step; Introduction to Multimedia Indexing and Retrieval; Searching for Text Documents; Speech Indexing; A Spatio-temporal and Probabilistic Approach in Video Retrieval; Multimodal Content-based Video Retrieval; Evaluation of Multimedia Retrieval Systems.

COMP8033 - SELECTED TOPICS IN IT INFRASTRUCTURE MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the basic terminology of computer networks and recognize the individual components of the big picture of computer networks; Understand how data to be sent and received over the internet; List the primary function, activities, and application areas of a local area network and distinguish local area networks, metropolitan area networks, wide area networks, wireless technology from each other; Understand management aspects of computer networks and the ways to conduct management activities over communication network; Understand security and risks aspects of data communications and the ways to conduct secure transactions over communication network; Analyse and criticize previous research on network technologies.

Topics: Introduction to Computer Networks and Data Communications; Computer Network and The Internet; Conducted and Wireless Media; Making Connections; Application Layer; Transport Layer; Local Area Networks and Metropolitan Area Networks and Wide Area Networks; Local Area Networks: Software and Support Systems; Network Layer; Link Layer; Network Security; Network Design and Management.

COMP8034 – KNOWLEDGE DATA DISCOVERY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain fundamental concepts of knowledge discovery; Apply data exploration and preprocessing techniques; Identify infrastructure of data mining system; Determine data mining method according to nature of problem; Implement data mining methods; Evaluate applications and trends in data mining.

Topics: Introduction; Exploring Data; Data Mining Tools; Data Preprocessing; Data Warehouse and OLAP; Association Analysis; Classification; Cluster Analysis; Applications and Trends in Data Mining.

COMP8035 – BIG DATA ANALYTICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Knowledge and understanding of core concepts, theories and principles of large-scale data storage and processing frameworks; Sound evaluation of opportunities and challenges related to leveraging those frameworks for building massive scale analytics solutions, and an ability to make recommendations to resolve these challenges; Proficient knowledge and use of at least one large-scale data store system, and at least one massive scale processing framework; Ability to design, develop, and evaluate an end-to-end analytics solution combining large-scale data storage and processing frameworks; Knowledge of cloud computing as a platform for Big Data analytics.

Topics: Introduction to Big Data Analytics; Big Data Analytics Platforms; Big Data Storage and Processing; Big Data Analytics Algorithms; Linked Big Data: Graph Computing (Graph DB); Linked Big Data: Graph Computing (Graph Analytics); Linked Big Data: Graphical Models and Hardware Platform Issues; Big Data Visualization.

COMP8036 – SERVICES ORIENTED ARCHITECTURE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understanding of how information integration can be made possible through Service Oriented Architecture and an in-depth mastery of using the methodology involve in SOA world.

Topics: SOA and the Enterprise, an Architecture Fundamental; Service Fundamental; Using Services; SOA Development Process; Processes and Initial Project Scoping; The Artifice of Requirements; Business Process Architecture; SOA Security and Monitoring; Customer Data Integration (CDI).

COMP8037 – IT STRATEGIC PLANNING & ENTERPRISE ARCHITECTURE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Choose and Design IT/IS Strategy tools and techniques; Manage Organizations IS/IT strategy; Measure business IS/IT strategy; evaluate IS/IT Strategy.

Topics: What Is Strategic Planning Anyhow?; Why Strategic Planning Impacts Your Growth; Getting Set Up for Successful Planning; Strategic Planning for Information Technology; Managing IT for Competitive Advantage Assessment; Strategy and Execution; Administration and Quality Control; Executive Strategy; Enhancing Value –IT as a Value Driver for the Company; Controlling Performance –Value-Oriented IT Management; Reducing Costs – Increasing the Efficiency and Effectiveness through IT.

SUBJECT AREA: CPEN

CPEN8004 – NETWORK GOVERNANCE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify and review current technical and research literature on a range of networking topics; Design, procure, implement and manage an organization's networking needs; Demonstrate a detailed knowledge of emerging network technologies; Develop detailed skills and knowledge of network design, security and management; Create a solution as a professional practitioner and a creative thinker who is able to contribute to the enterprise organization's networking requirements.

Topics: Analyzing Business and Technical Requirements; Characterizing the Networks; Designing Network Topology; Designing Models for Addressing and Naming; Selecting Switching and Routing Protocols; Developing Network Security Strategies; Developing Network Management; Selecting Technologies and Devices for Campus and Enterprise Networks; Testing the Network Design; Optimizing The Network Design; Documenting The Network Design; Final Project.

SUBJECT AREA: ENTR

ENTR8006 - ENTREPRENEURSHIP AND NEW VENTURE CREATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Build the skills, framework and knowledge in entrepreneurship and new venture creation in order to acquire the knowledge and spirit for venturing; Set the context for entrepreneurship and understand the role and importance of the small to medium sized enterprises in the economic and social development of countries and regions; Gain knowledge on the characteristics of entrepreneurs and the entrepreneurial process; Understand the importance of the planning process and learn how to develop, write and present an effective business plan for a new venture; Building a Business Plan.

Topics: Entrepreneurial Process; The Opportunity; Screening Venture Opportunities (Elevator Pitches); Reaching the Customer; Legal & Ethical Issues; The Business Model; The Business Plan; Feasibility Plan Presentations; New Venture Team; Resource Acquisition; Entrepreneurial Finance; The Deal; Entrepreneurship in Context; Business Plan Presentations.

SUBJECT AREA: FINC

FINC8007 – ADVANCED FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Develop and recommend method to raise the capital of the companies through debt financing and equity financing; Develop and recommend method to manage the risks that are often faced by companies; Develop and recommend method to make decision about capital structure, corporate strategy, going public, share repurchase, payout policy, going private, leveraged buyout, merger and acquisition, and restructuring; Develop the knowledge about pricing derivatives and make decision about investment in derivatives; Develop and recommend method to manage the risks that are often faced by companies.

Topics: Raising capital, debt financing, and equity financing; Capital structure and corporate strategy; Issues in capital market; Share repurchases; Payout policy; Going private and leveraged buyouts; Merger and acquisition; Merger arbitrage; Restructuring; Pricing derivatives: Risk management and corporate strategy; The practice of hedging; Bankruptcy.

SUBJECT AREA: ISYE

ISYE8014 – QUALITY ASSURANCE & TOTAL QUALITY MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: To apply Core Theory of Selected Topics in Industrial Engineering disciplines; To differentiate Selected Topics in Industrial Engineering disciplines in different settings and case studies; To analyse the most appropriate methods among Selected Topics in Industrial Engineering disciplines; To apply the most appropriate methods to solve real engineering problems.

Topics: Introduction; Quality basics and history; The Customers; TQM; Organizing for Quality Management; 7 Q Tools; Problem Solving; The use of Statistical in Quality; Matrices; Control Charts; Other Variable Control Charts; Process Capability; Basic Concepts and Definitions; Discrete Probability Distributions; Continuous Probability Distributions; Product Life Cycle; Measures of Reliability; Quality Cost Measurement; Utilizing Quality Costs for Decision-Making; Modern Quality Management; Certification Requirements; Evolving Standards; Introduction to Malcolm Baldrige Criteria for Performance Excellence; Reaching World Class Benchmarking.

ISYE8015 – SELECTED TOPIC IN INDUSTRIAL ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: To apply Core Theory of Selected Topics in Industrial Engineering disciplines; To differentiate Selected Topics in Industrial Engineering disciplines in different settings and case studies; To analyse the most appropriate methods among Selected Topics in Industrial Engineering disciplines; To apply the most appropriate methods to solve real engineering problems.

Topics: Industrial Revolution 4.0; E-Supply Chain Management; Supply Chain Risk Assessment; Big Data in Supply Chain; Volatility, Uncertainty, Complexity and Ambiguity (VUCA); Multi Criteria Decision Making; Service Innovation; Service and Internet of Everything; Service Design and Delivery; Cloud as a Service_ Understanding the Service Innovation Ecosystem; Service Science Management Engineering (SSME); Service Thinking; Fundamental of Service Systems; The Other Side of Innovation; Managing in a VUCA World; The New Supply Chain Management Paradigm in a VUCA World.

ISYE8016 – INDUSTRIAL SYSTEM DESIGN (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the automation principles and strategies in the industrial system design problems; Apply the tools and techniques of manufacturing systems problems; Solve the industrial system design problems.

Topics: Introduction to industrial system design; Industrial control system; Industrial Robotics; Material handling and transport systems; Single station manufacturing cells; Group technology and cellular manufacturing; Flexible manufacturing systems; Manual assembly lines; Transfer lines and automated manufacturing systems; Inspection practices and technologies; Product design and CAD/CAM; Concurrent engineering.

ISYE8017 – SUPPLY CHAIN AND LOGISTICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain supply chain and logistics framework; Apply the tools and techniques of logistics and supply chain in industrial engineering problems; Solve the logistic and supply chain problems in industrial engineering field.

Topics: Introduction to logistic and supply chain; Strategic Decisions and Business Relationships in a Supply Chain; Business Process Analysis and Fundamental Logistics Concepts; MRP II and ERP Concept; Lean Concept and Repetitive Manufacturing; Lean Manufacturing; Concepts for Product Families and One-of-a-Kind Production; Concepts for the Process Industry; Contract management; International logistic operator and transport; Global supply chain cycle and focus; Global supply chain and e-commerce.

ISYE8018 – HUMAN-INTEGRATED SYSTEM & OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Formulate the human's physical; biological and psychological of represent the industrial problems; Apply the tools and techniques of human factors in industrial engineering problems; Solve the TQM and quality engineering problems.

Topics: Introduction to Human-Integrated System and research methods; Design and Evaluation Method; Visual Sensory System; Auditory, Tactile and Vestibular System; Decision Making and Display; Engineering Anthropometry and Workspace Design; Control System; Biomechanics of Work and Work Physiology; Stress, Workload, Safety, Accidents, and Human Error; Human-Computer Interaction; Automation and Transportation Human Factors; Selection and Social Factors.

ISYE8019 – SERVICE ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the service design and operations in the industrial service engineering problems; Apply the tools and techniques for measuring of service quality; Solve the industrial service engineering problems.

Topics: Introduction to service engineering; Service design; Service Operations; Service strategy; New service development; Technology in services; Service quality; Supporting facility and location; Managing Capacity and Demand; Managing Facilitating Goods; Globalization of Services.

ISYE8020 – SUPPLY CHAIN MODELLING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe factors that affect the operation in manufacturing, service and distribution; Apply mathematical models to coordinate deployment and allocation of resources toward demand satisfaction and any additionally posed constraints; Use optimization, database, and productivity software to solve practical operational problems; Appraise the significance of ethics and sustainability issues emerge in the operations of the aforementioned systems.

Topics: The Role of Operations Management in modern corporations and its connection to corporate strategy; Inventory Control Systems; Production Planning and Control; Review; Layout Design; Warehousing Systems; Emerging Issues.

ISYE8021 – SYSTEM SIMULATION AND MODELING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand the basic concepts and procedure of discrete-event simulations; Perform simple discrete-event simulation; Understand the applications of the discrete-event simulation.

Topics: Introduction to discrete-event system simulation; Simulation examples in a spreadsheet; Statistical models in simulation; Queuing models; Random-number generation; Random-variate generation; Input modeling; Verification, calibration, and validation of simulation models; Estimation of absolute performance; Estimation of relative performance; Simulation of manufacturing and material-handling systems; Simulation of networked computer systems.

ISYE8022 – ENGINEERING OPTIMIZATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Formulate the mathematical model of represent the industrial problems; Apply the tools and techniques of engineering optimization in industrial engineering problems; Solve the industrial engineering problems.

Topics: Introduction to Engineering Optimization; Trends in Linear Programming; Simplex Method; Duality Theory & Sensitivity Analysis; Dynamic Programming; Integer Programming; Non Linear Programming; Game Theory; Decision Analysis; Markov Chains; Queuing Theory.

SUBJECT AREA: ISYS**ISYS8030 – BUSINESS SOLUTION ANALYSIS (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Describe concepts, terminology, and environment of database; Design database using entity relational diagram and data structure; Apply normalization of data and relational database model; Describe basic concept of Data warehousing and Data mining; Analyze implementation of data warehouse and data mining.

Topics: System, roles and development methodologies; Understanding and modeling organization; Project management; Information gathering: Interactive method and unobtrusive method; Agile modeling and prototyping; Using data flow diagrams; Analyzing systems using data dictionaries; Designing effective output; Designing effective input; Designing database; Human computer interaction; Designing accurate data and procedures; Quality assurance and implementation.

ISYS8032 – IT PROJECT MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Classify key elements of the IT project management; Propose an effective IT project plan; Analyse an IT project; Design an IT project; Evaluate an IT project; Choose an appropriate IT project.

Topics: Introduction to IT Project Management; Conceptualising & Initialising the IT Project; IT Project Integration Management; Defining and Managing IT Project Scope; IT Project Time management; IT Project Cost Management; IT Project Quality Management; IT Project Team and Resource Management.

ISYS8033 – SERVICES ORIENTED ENTERPRISE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Demonstrate understanding and analyzing of the service oriented modeling, service life cycle, and services components; Demonstrate understanding and analyzing about Service Definition, Discovery and Deployment; Demonstrate analyzing, Design, and Build SOA Development; Demonstrate and Explain about BPM architecture and BPM implementation.

Topics: Introduction of Service Oriented Enterprise and Service Oriented Methodologies; Introduction and Implementation of Service Definition, Discovery and Deployment; SOA Development; Service Oriented Analysis and Modeling; Introduction Service Oriented Design and SOA Composition Guidelines; Service Design and Case in SOA Implementation; Introduction Business Process Management, BPM Methodologies ,BPMN; Business Process Architecture; Business Process Scoring; BPMS Architecture; Service Layers; Building SOA (Technology and Design); Project Management in SOA Project; Process Foundation , Technology Foundation , BPM Foundation; Business Process Modeling Tools and Technology; Project Implementation for Integration SOA and BPM.

ISYS8034 - DIGITAL BUSINESS AND E-COMMERCE MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Introduction digital business and e-commerce; Marketplace analysis for e-commerce; Managing digital business infrastructure and E-environment; Strategy and applications for Digital business and e-commerce management; Analysis and design Digital business and e-commerce management; Implement Digital business and e-commerce management.

Topics: Introduction; Introduction to digital business and e-commerce; Marketplace analysis for e-commerce; Managing digital business infrastructure; E-environment; Strategy and applications; Digital business strategy; Supply chain management; E-procurement; Digital marketing; Customer relationship management; Implementation; Change management; Analysis and design; Digital business service implementation and optimization.

ISYS8035 - ADVANCED ENTREPRISE ARCHITECTURE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand the fundamental of architecture enterprise. The risk and benefit of creating EA. It also describes the relation between software, applications, technology and solution architectures and how IT business functions and processes are mapped into architectures and software solutions; Understand the concept of Cloud Computing, and Big Data; Introduce some model and framework in enterprise architecture. This course also emphasizes how to plan and model enterprise architecture; Modelling and using a diagramming tool to develop architectural viewpoints and also analysis architecture model; Implement EA on the real problem by learning some case studies.

Topics: Enterprise Architecture Concept; Enterprise Architecture Method and Framework; Guiding and Modeling EA; TOGAF as EA Framework; Analysis Architecture; Viewpoints and visualization; Tool Support for EA; Introduction to Cloud Computing, and Big Data.

ISYS8036 - BUSINESS INTELLIGENCE AND ANALYTICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify data and information management technology alternatives, Demonstrate understanding of specific data mining methods, Describe different ways in which models can be evaluated, Use data mining tools to build descriptive and predictive models, Analyze a dataset using data analytics methods; Select the most appropriate options based on the organisation information needs, Analyze the needs of a domain and determine those needs can be best addressed with data, information and content management solutions, Describe global business scenarios where data and data mining can be applied; Manage the implementation of the selected options: Identify, create and manage organisational policies and processed related to data and information management by balancing multidimensional requirements, such as legal and regulatory requirements, ethical considerations, implications of technology decisions, organizational requirements, and data quality issues.

Topics: Data Analytic Thinking and Predictive Modelling; Supervised Segmentation; Model Evaluation (Fitting the data and over fitting the data, holdout testing, cross-validation, "regularization", learning curves, domain knowledge validation); Decision Tree Induction; Neural Nets and Probability Models; Unsupervised Learning 1: Learning patterns from data; Unsupervised Learning 2: Similarity-Based Techniques; Application in Ecommerce: Recommender Systems; Evaluating Data Science Proposals; Business Strategy & Tactics for Data Analytics Organizations.

ISYS8037 - EMERGING ICT ISSUES AND VALUATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand about Company Value and Valuation Concept; Understand and demonstrate how to use IT Value based to review the performance of business operations; Understand and demonstrate how to estimate the value of information technology ; Understand and demonstrate the link of IT Planning and IT Valuation Concept; Understand and demonstrate How to Measures of Efficiency and Effectiveness of IT Supply; Understand and demonstrate the Concept of Benchmarking IT and IT Valuation Implementation.

Topics: Introduction to the valuation of IT; The need to measure the value of IT; Framework of IT valuation (1); Cash Flow and Applying Valuation; Managing IT Costs and Resources; How To Measure IT Investment; Measuring and Improving Corporate IT Performance though the Balanced Scorecard; The Role of IT and Planning and IT Valuation.

ISYS8038 - IS SECURITY AND RISK MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify principles and attributes of information security risk; Analyze the security risk of an organization; Understand an organization's information security requirements and the need to establish policy and objectives for information security; Plan, Implement, operate and develop controls to manage an organization's information security risks in the context of the organization's overall risks.

Topics: Risky Business; The Risk Management Lifecycle; Formulating a Risk, Risk Exposure Factors; Security Controls and Services; Risk Evaluation and Mitigation Strategies; Reports and Consulting; Risk Assessment Techniques; Threat and Vulnerability Management; Security Risk Reviews; A Blueprint for Security; Building a Program from Scratch.

SUBJECT AREA: MGMT**MGMT8036 – MANAGEMENT OF BUSINESS COMMUNICATION (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Explain The Components of Business Communication; Construct The Business Communication; Analyze Components of The Business Communication; Choose the Channel of Business Communication; Apply the Strategy of Communication.

Topics: Building Blocks for Effective Messages; Business Communication; Planning, Writing and Revision; Persuasive Communication in Business; Digital in Business Communication; Making the Business Case for Social Media; Informative Message; Strategy for Routine Request; Developing Presentation; Writing Proposal.

MGMT8038 – PERFORMANCE MANAGEMENT AND REPORTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define and Explain the knowledge of performance management systems; Define and explain appropriate terminologies and practices regarding performance management; Communicate effectively and give solutions on issues relating to performance management; Demonstrate and implement effective techniques for conducting an effective performance management.

Topics: Introductions to performance management; Management performance overview; Performance management supports business intelligence and decision making; Implementing performance management; Strategy maps, Balanced Scorecards and Dashboards; Financial performance management; Customer value management; Performance management and shareholder wealth creation; Environmental performance management; The future of performance management.

MGMT8045 – OPERATION MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand the main roles of operations function that will influence competitive advantage of the firm; Plan layout of facilities, capacity, and resources requirements; Design products, services, processes, and supply chain; Manage quality, projects, and lean production; Control quality, process capability, and inventory; Schedule projects and activity sequencing.

Topics: Introduction to Operations Management; Managing Quality; Statistical Process Control; Product Design; Service Design; Process Design; Facilities Planning & Layouts; Managing Projects; Managing Supply Chain; Managing Inventory; Aggregate Planning; Resource Planning; Lean Operations; Operations Scheduling.

MGMT8046 – PROJECT AND CHANGE MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Demonstrate understanding of project management process; Demonstrate understanding of how to organize a project management plan; Demonstrate understanding of how to integrate MOC into project management methodology; Explain why organizations change and what is change management; Demonstrate understanding on implementing change and principle on leading change.

Topics: Project Management Overview and IT Context; Project Management Process; Project Management Nine Knowledge Areas; Why Organizations Change and What Changes in Organizations; Diagnosis for Change; Resistance to Change; Linking Vision and Change; Communicating Change; Implementing and Sustaining Change; Implementation Architecture; Applying MOC to an SAP Project; Project Scope Management Case Discussion; Project Cost and Time Estimation; Managing Resistance in IT Project Implementation; Implementing and Sustaining Change in IT Project Implementation.

MGMT8047 - ADVANCE TOPIC IN MIS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Utilize the advances in MIS as alternative topic in their thesis; Combine the advanced topics in enriching their research thesis; Make use of the knowledge in creating and or improving their research cases.

Topics: Advances in Big Data Analytics – application in Operations, Marketing, Finance, Knowledge; Advances in E-commerce - Ubiquitous and mobile and services oriented commerce; Advances in IS security and management topic; Advances in Service-Oriented and Enterprise Architecture.

SUBJECT AREA: MOBI**MOBI8002 – MOBILE TECHNOLOGY & CLOUD COMPUTING (4 Credits)**

Learning Outcomes: On successful completion of this course, students will be able to: Explain various aspects of mobile technology and cloud computing; Identify the importance of mobile cloud computing; Apply the concept of mobile cloud computing to solve real-world engineering problems; Analyze the architecture, platform and enabling technologies of mobile cloud computing; Evaluate the advances and research challenges in mobile cloud computing; Design new approaches that can improve the mobile cloud computing technologies.

Topics: Mobile Computing; Cloud Computing; Mobile Cloud Computing; Offloading in Mobile Cloud Computing; Green Mobile Cloud Computing; Resource Allocation in Mobile Cloud Computing; Sensor Mobile Cloud Computing; Mobile Social Cloud Computing; Privacy and Security in Mobile Cloud Computing; Trust in Mobile Cloud Computing; Vehicular Mobile Cloud Computing; Application of Mobile Cloud Computing.

SUBJECT AREA: RSCH**RSCH8011 – THESIS (6 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Apply the tools and techniques in industrial engineering; Explain the analysis and discussion from the results; Demonstrate the presentation skill.

Topics: Data collection; Methods, Tools and Techniques; Presenting the results; Interpreting the results; Developing the analysis; Developing the discussion; Developing the conclusion; Generating the abstract; Generating the draft of thesis; Journal submission; Thesis submission; Thesis examination.

RSCH8061 – RESEARCH METHODOLOGY FOR COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain qualitative and quantitative approaches, relate the communication theory and research design, etc; Analyze the verbal data, Observation and mediated data, Case study, Grounding and writing qualitative research, Qualitative research integration and outlook, Quantitative research, Research questions and hypothesis, Population and sampling, Validity and reliability, Descriptive and statistical tests, Quantitative content analysis, Internet-based research, and Ethics in social research; Construct and develop the questionnaire based on the theory or concept explication; Apply one or more research method to analyse the contemporary issues in communication perspectives; Interpret the verbal data in term of qualitative research approaches, etc.

Topics: Doing social research; Theory and social research design; Qualitative research Design; From text to theory; Observation and mediated data; Case study; Grounding and writing qualitative research; Qualitative research integration and outlook; Quantitative research: Survey; Research questions and hypotheses; Population and sampling; Validity and reliability; Descriptive and statistical tests; Quantitative content analysis; Internet-based research method; Ethics in social research.

RSCH8062 – RESEARCH PROPOSAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the approach / paradigm research, introduction in writing proposal research, research questions and hypotheses, the purpose statement, review of the literature, the use of theory, writing strategies and ethical considerations, quantitative methods, qualitative procedures & mixed methods procedure; Apply approach / paradigm research, introduction in writing proposal research, research questions and hypotheses, the purpose statement, review of the literature, the use of theory, writing strategies and ethical considerations, quantitative methods, qualitative procedures & mixed methods procedure; Analyze the approach / paradigm research, introduction in writing proposal research, research questions and hypotheses, the purpose statement, review of the literature, the use of theory, writing strategies and ethical considerations, quantitative methods, qualitative procedures & mixed methods procedure.

Topics: Approach / paradigm research; Approach / paradigm research; Introduction In Writing Proposal Research; Introduction In Writing Proposal Research; Research Questions and Hypotheses; Research Questions and Hypotheses; The Purpose Statement; The Purpose Statement; Review Of The Literature; Review Of The Literature; The Use Of Theory; The Use Of Theory; Writing Strategies And Ethical Considerations; Writing Strategies And Ethical Considerations; Quantitative Methods, Qualitative Procedures & Mixed Methods Procedure; Quantitative Methods, Qualitative Procedures & Mixed Methods Procedure.

RSCH8063 – RESEARCH RESULT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the theories of communication through research in social life; Evaluate concepts and theories of communication based on research findings.

Topics: Perspectives of Research, Theoretical and Concepts of Research; Methodology of Research; Data Analysis; Data Validity and Realibility; Research Results and Conclusion and ready to exam.

RSCH8064 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Enroll and take the thesis exam.

Topics: Complete Thesis Research: (1) Introduction: Background, Research Problems, Research Objectives, Usability Research; (2) Literature Review: State of the art, Theoretical & Concept Studies; (3) Research Methodology: Paradigm / research approach, Research Method, research type, population & sample research for quantitative researchers and informants for qualitative researchers, data collection techniques, data analysis techniques, presentation of research results, and conclusions.

RSCH8065 – RESEARCH METHODOLOGY IN ACCOUNTING AND BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify and analyze research problems in Accounting; Apply critical thinking and demonstrate engagement with theoretical and practical aspects of doing

research independently and/or in groups; Employ suitable research approaches and methods in designing research project; Plan, Design and execute research project through independent roles and/or group participation; Communicate research ideas and design effectively in verbal and/or written form.

Topics: Philosophy of Research; Research Question; Research Objectives; Ethics in Research; Qualitative Research; Quantitative Research.

RSCH8067 – THESIS (FINAL DEFENSE EXAMINATION) (4 Credits)

Learning Outcomes: Students pass the thesis defense examination.

RSCH8071 – QUANTITATIVE AND QUALITATIVE DATA ANALYSIS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply and create plan to write up a qualitative analysis research project using NVIVO software; Demonstrate a mapping concept and relationship of qualitative data analysis by using NVivo software; Apply and create plan to write up a quantitative analysis research project using SPSS software; Demonstrate a mapping concept and relationship of quantitative data analysis by using SPSS software; Demonstrate the ability to present a clear finding result from the data analysis by using the software provided.

Topics: Data Analysis; Software application; NVIVO; SPSS; Finding and report result.

RSCH8079 – IT RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand various aspects of research activities; Comprehend the importance of research to solve real life problems; Apply appropriate research methodology to achieve research goals; Analyze the current advancements in the selected research field; Evaluate the merit of the available solutions and discover their research problems; Design new approaches that can solve the research problems.

Topics: Introduction to Research; Getting and Developing Research Idea; Thesis Guidelines; Chapter Introduction; Literature Review; Choosing Research Design; Methodology; Statistical Tools for Data Analysis; Data Science with R; Reporting Research Results; Publication and Technical Presentation; Plagiarism and Fraud in Scientific Publications.

RSCH8082 – THESIS (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Finalize thesis outline and research topic selection; Write thesis proposal; Write scientific article that will be published in journal; Write thesis; Deliver scientific presentation.

Topics: Reviewing thesis outline; Writing and presenting thesis proposal; Publishing research results through scientific journal; Writing and presenting thesis.

RSCH8085 – THESIS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Take necessary steps to master the selected thesis topic, such as creating thesis time-frame, and steps to complete the thesis; Explore deeper on the selected thesis topic, such as where to find the materials, whom to call whenever meeting with the difficulties, etc; Select and master the appropriate references, research method and supporting tools to develop the thesis topic; Design and realise the topic into real benefits that can be used the company/business, and to articulate the benefits to all stakeholders related to the thesis topic; Identify all necessary factors that involves in realising the thesis topic; Realise the thesis topic and link it with his/her career improvement, and to further develop the thesis topic into long-term benefits for the company/business.

Topics: Business Process Management; Enterprise Resource Planning; Information System Risk Management; Information System Strategic Planning; Knowledge Management; Quality Assurance in Information System; Technopreneurship; Corporate Information System; Information System Governance; Learning; Information System Valuation; Service-Oriented Architecture; E-Business; Information System Security; Green Computing; Artificial Neural Network; Computer for Education; Mobile Technology.

RSCH8086 – IS RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply critical thinking in research; Formulate research questions, problem statements and objective of a research; Build a research theoretical framework or the model and formulate hypothesis if any; Formulate measurement of variables and constructs, and collect the relevant data; Do analysis of data and draw research conclusion; Write and present a research report.

Topics: Introduction; Case: Going through A complete non-experimental research process using cause-effect analysis; Research Design and Data Analysis: Experimental & Quasi Experimental – Hypothesis Testing; Research Design and Data Analysis: Cause and Effect (continued); Research Design and Data Analysis: Survey Research and Cause-effect; Research Design and Data Analysis: Multivariate Statistical Analysis Related Research questions; Research Design and Data

Analysis : Experimental Design – ANOVA and MANOVA; Contemporary Issues in Information Systems: Research question related to Business Intelligence, Big Data and Business Analytics, Business Simulations, and The application of Intelligent Soft Systems in Business Information Systems.

RSCH8088 - PRE THESIS (0 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply the research proposal writing; Apply the research methodology; Demonstrate the presentation skill.

RSCH8089 - WRITING PAPER AND THESIS COLLOQUIUM (0 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Propose the research findings; Apply the research methodology; Demonstrate the presentation skill.

SUBJECT AREA: STAT

STAT8006 – STATISTICAL ANALYSIS & RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply critical thinking in research; Formulate research questions, problem statements and objective of a research; Build a research theoretical framework or the model and formulate hypothesis if any; Formulate measurement of variables and constructs, and collect the relevant data; Do analysis of data and draw research conclusion; Write and present a research report.

Topics: Introduction; Case: Going through A complete non-experimental research process using cause-effect analysis; Research Design and Data Analysis: Experimental & Quasi Experimental – Hypothesis Testing; Research Design and Data Analysis: Cause and Effect (continued); Research Design and Data Analysis: Survey Research and Cause-effect; Research Design and Data Analysis: Multivariate Statistical Analysis Related Research questions; Research Design and Data Analysis : Experimental Design – ANOVA and MANOVA; Capita Selecta : Research question related to Operations Research (OR) and Advanced tools- selected articles from journals.

4.4 Doctor of Computer Science (DCS)

The Doctor of Computer Science (DCS) is a doctoral level program in Computer Science which emphasizes the Research and Development in state of the art topics in Computer Science. The DCS program offers concentrations in Information System and Computer Science which is designed to be accomplished with 45 SKS including dissertation in 6 (Six) semesters.

Each student will be fully involved with the draws on the faculty's diverse expertise and varied interests to develop high quality research uniquely suited to his or her interests. The program encourages students to gain research experience by working closely with faculty member on a variety of industry projects and on alignment of research roadmaps.

Vision

Become one of the globally recognized researches and development program in Computer Science.

Mission

The mission of Doctor of Computer Science Program is to contribute to the global community through the provision of world-class education by :

1. Improving the welfare of society through word-class high quality education in Information Technology and Systems Information to produce qualified, professional, and competent graduates according to current and future needs of the nation;
2. Creating outstanding leaders for global community that participate in an important role in computer science and technology development that answer the society needs;

3. Improving the quality of life of Indonesians and the international community through contribution in economic and industrial development with continues innovation and improvement based computer science;
4. Conducting professional services through introduction, diffusion, and dissemination of relevant knowledge with an emphasis on application of knowledge to the society;
5. Recognizing and rewarding the most creative and value-adding talents.

Program Objective

The objectives of the Doctor of Computer Science (DCS) program are:

1. To increase the productivity of graduates in Computer Science with international recognition.
2. To equip students with advanced Computer Science knowledge in order to be global leader in related field.
3. To provide students with teaching and research activity in order to achieve quality indicator and objectives of Doctoral Program of Computer Science.

Student Outcomes

After complete the study, graduate are:

1. Able to develop science, knowledge and information technology using trans and multidisciplinary approach in order to develop an innovative and verified works in computer science that has commercialization potency.
2. Able to manage and lead research in computer science with inter and multidisciplinary approach.
3. Able to contribute in computer science field development through various applied research that has implication to enhancing the quality of life.
4. Able to disseminate study result in computer science field through publication in national or international journal and seminar.
5. Able to develop the theory and method in System Development Life Cycle (SDLC), Management and Governance (MAGO), Enterprise Applications (ENAP), or Emerging Technologies (EMTE) domain.
6. Able to create new framework of IT governance and IT government based on available framework.

Prospective Career of the Graduates

The graduates of DCS could take up one or combination of the following roles:

1. As Professional Researchers and lecturer, actively conducting research and publishing their papers in high impact publication such as international journals and ability to bring their research into teaching class.
2. As ICT Consultants, actively conducting high profile consulting projects with leading companies and producing copyrighted frameworks and or white papers.
3. As Owner of ICT Business Leaders, actively leading research based initiatives and actions in their respective company and becoming agent of change in the improvement and or innovation of ICT industry best practices.

Curriculum

Programs typically include traditional coursework and research projects, in which students collaborate with professors and fellow students in order to narrow their research interests. Each of the three years of the DCS program is designed to provide candidates with theoretical, research, and application capabilities in the field. The organization of each year is described below.

Year 1: Foundations

Year one focuses on computer science and information systems topics and an orientation to research and writing at the doctoral level. Coursework covers current topics in the disciplines as well as research methods and qualitative/quantitative techniques. The research component results in a broad overview of the student's area of concentration in order to put the research into context and inform the student's selection of a research topic.

Year 2: Acquisition of Knowledge

Once the foundations are in place, year two is where each student develops an in-depth understanding of the knowledge and research methods in his or her chosen area of study. While most of the effort in year two is on developing a richer understanding of the discipline, the research courses include quantitative/qualitative methods and the dissertation process.

Year 3: Leadership and Professional Advancement

Coursework in the final year of the program includes Research Result and doctoral Dissertation Exams to complete the research and dissertation.

The program thus includes 45 Credits that can be covered in 3 years.

Students study programming languages, Software Engineering, Artificial Intelligence, Cyber Security, Information System, and Enterprises Architecture. Courses and seminars cover topics like:

1. Artificial Intelligence: computer vision, decision theory/game theory, knowledge representation and reasoning, intelligent user interfaces, machine learning, natural language understanding and generation, robotics and haptics.
2. Computer Graphics: animation, imaging, modeling, rendering, visualization.
3. Data Management and Mining: business intelligence, data integration, genomic analysis, text mining, web databases.
4. Human Centered Technologies: human computer interaction (HCI), visual, haptic and multimodal interfaces, computer-supported cooperative work (CSCW), visual analytics.
5. Networks, Systems, and Security: high performance computing/parallel processing, networking, operating systems and virtualization, security.
6. Scientific Computing: numerical methods and software, differential equations, linear algebra, optimization.
7. Software Engineering and Programming Languages: development tools, foundations of computation, middleware, programming languages, software engineering.
8. Theory: algorithmics (including empirical), bioinformatics and data analysis, graph theory, algorithmic game theory.
9. Analytics and decision support : Technology and the Enterprise, Data Mining, Technology and Markets and The Quantitative and Qualitative Methods
10. Information assurance and computer security.
11. Advanced information systems Research : Design of Experiments and Information Systems Research.

Course Structure

The distribution of courses for each semester are presented below.

SEMESTER 1

Course	SCU
RSCH9012 – Research Methodology	3
PHIL9001 – Philosophy of Science	3
Stream : Information Systems & Technology*	
ISYS9019 – Recent Trends in Information Systems	3
ISYS9020 – Advance System & Architecture Enterprise	3
ISYS9021 – Advance Knowledge System	3
Stream : Computer Science*	
COMP9018 – Software Metric and Quality	3
COMP9019 – Knowledge and Information Retrieval	3
COMP9020 – Advanced Computer Security	3

**) Students have to choose one out of two streams. Only two subjects that will be admitted from three subjects that offered.*

SEMESTER 2

Course	SCU
RSCH9013 – Proposal Dissertation	5
RSCH9014 – Research Colloquium (Seminar)	5
Stream : Information Systems & Technology*	
COMP9021 – Advanced Information Technology Governance	3
ISYS9022 – e-Business & e-Government	3
Stream : Computer Science*	
COMP9022 – Advanced Softcomputing	3
COMP9023 – Multimedia Computation	3

**) Students will select one out of two subjects*

SEMESTER 3

Course	SCU
RSCH9015 – Desertation 1 (Qualification Exam)	2
RSCH9016 – Research Publication 1	2

SEMESTER 4

Course	SCU
RSCH9017 – Desertation 2 (Research Result Examination)	3
RSCH9018 – Research Publication 2	2

SEMESTER 5

Course	SCU
RSCH9019 – Desertation 3 (Closed Exam)	4
RSCH9020 – Research Publication 3	2

SEMESTER 6

Course	SCU
RSCH9021 – Desertation 3 (Open Exam)	5

4.5 Course Description

SUBJECT AREA: COMP

COMP9018 – SOFTWARE METRIC AND QUALITY (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define the need of software metrics; Understand how the process of Empirical investigation; Know, understand and can be used the techniques Measuring external product attributes: quality; Understand and define with the Measuring software reliability; Design with Software test metrics; Design with the Object Oriented Metrics.

Topics: Overview of software metrics; The basics of measurement; Goal-based framework for software measurement; Empirical investigation; Measuring internal product attributes: size (3 sessions); Measuring internal product attributes: structure; Measuring cost and effort; Measuring external product attributes: quality; Measuring software reliability; Software test metrics; Object-oriented metrics (3 sessions).

COMP9019 – KNOWLEDGE AND INFORMATION RETRIEVAL (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Develop and Design IR Models & Tokenizing, Indexing, and Implementation of Vector-Space Retrieval as a field of research; Define and Characterizes with the concept of information and the relationship between information and knowledge; The intellectual foundation for and theoretical perspective of the subject's core areas; Create the Framework of information science's platform.

Topics: Introduction; Basic Tokenizing, Indexing, and Implementation of Vector-Space Retrieval; Experimental Evaluation of IR; Performance metrics: recall, precision, and F-measure; Evaluations on benchmark text collections; Query Operations and Languages; Text Representation; Web Search; Text Categorization; Language-Model Based Retrieval; Text Clustering.

COMP9020 – ADVANCED COMPUTER SECURITY (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define the basic terminology of computer security and recognize the individual components of the big picture of computer security; Understand how the process and steps of a hacker exploits the target; Know, understand and can be used the techniques of several exploit tools; Understand component of computer security; Understand how to make and to propagation malicious software; Do the audit and evaluate the security system.

Topics: Introduction to computer security; Concept of attacker; Overview the tools; Identification and authentication; Cryptographicalgorithms; Access control; Malicious software; Intrusion detection system; Software security; Operating system security; Physical and infrastructure security; Security auditing and evaluation.

COMP9021 – ADVANCED INFORMATION TECHNOLOGY GOVERNANCE (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Develop a research recent developments in the field of information systems; Perform an appropriate scientific knowledge in an exercise of Information System State of the Art; Determine appropriate methods and objectives for addressing the aim of the contributions as well as strengths and weaknesses of Information System research paper; Write an outline and final manuscript for a clearly communicate about the assigned Information System research topic; Construct the front-matter, introduction, background, and outline of IS Research; Present and review the results of research to a group of their peers.

Topics: Information Technology Governance Mechanisms; Information Technology Governance Contingency Factors; Information Technology Governance Evaluation; Framework for IT Governance Maturity Level; Framework for Drivers; Framework for Enabler & Inhibitors; Framework for IT Value & IT Risk; Association between IT Governance and Bottom-line Financial Performance.

COMP9022 – ADVANCED SOFTCOMPUTING (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain basic concepts, principles, algorithms, and performance metrics of soft computing; Analyze computing requirements of a computing problem to be solved using soft computing algorithm; Implement and analyze soft computing through experiment to address a pattern recognition problem, e.g. classification, regression, clustering, or forecasting; Publish experiment results using soft computing methods to address a computing problem in a selected domain that has implication to enhancing the quality of human life.

Topics: Pattern learning from data and feature engineering; Neural Networks; Support Vector Machine (SVM); Machine Learning and Deep Learning; Evolutionary algorithms; Kernels; Fuzzy logic; Soft computing applications in selected research domain.

COMP9023 – MULTIMEDIA COMPUTATION (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Develop a research project proposal; Perform an appropriate literature review; Determine appropriate methods and objectives for addressing the aim of a project; Write an outline and final manuscript for a "conference-style" paper; Construct the front-matter, introduction, background, and outline of a thesis; Present and review the results of research to a group of their peers.

Topics: Introduction to Multimedia Computing; Content Based Retrieval I; Content Based Retrieval II; Content-based Retrieval III; Multimedia Content Processing I; Multimedia Content Processing II; Multimedia Summarization; Multimedia Data Mining; Multimedia Security; Multimedia Surveillance I; Computational Multimedia Advertisement; Current Issues & Trends.

SUBJECT AREA: ISYS**ISYS9019 – RECENT TRENDS IN INFORMATION SYSTEMS (3 Credits)**

Learning Outcomes: On the successful completion of this course, students will be able to: Develop a research project proposal; Perform an appropriate literature review; Determine appropriate methods and objectives for addressing the aim of a project; Write an outline and final manuscript for a "conference-style" paper; Construct the front-matter, introduction, background, and outline of a thesis; Present and review the results of research to a group of their peers.

Topics: Research in Information Systems - A Systematic Literature Review; Between Online and Offline Shopping - A Structured Literature Review on Channel Choice; Online Service Quality - A Structured Literature Review; Reviewing IT Consumerization Research; Stakeholder Theory in IS Literature; Strategic IT Alignment and its Links to the Business Model - A Systematic Literature Review; The Relationship between Trust and Information Privacy; The Role of Information Privacy in Social Media; The Role of "Resistance" in IS Research; The Role of User Satisfaction in IS Research; Smart Energy Networks - An Information Systems Perspective; Project Presentation.

ISYS9021 – ADVANCE KNOWLEDGE SYSTEM (3 Credits)

Learning Outcomes: On the successful completion of this course, students will be able to: Develop a research project proposal; Perform an appropriate literature review; Determine appropriate methods and objectives for addressing the aim of a project; Write an outline and final manuscript for a "conference-style" paper; Construct the front-matter, introduction, background, and outline of a thesis; Present and review the results of research to a group of their peers.

Topics: Course Overview; Knowledge Management and Technology; Small Pieces Loosely Joined; The Future of (Collaborative) Work; Email; Personal Information Management; Personal Knowledge Management; Intranets, Portals and Organizational Knowledge; Networked, Dynamic Collaboration; Collaborative Filtering & Recommender Systems; Wi-Fi, UbiComp & Smart Mobs; Networks; The Future of Knowledge Management Systems.

SUBJECT AREA: PHIL**PHIL9001 – PHILOSOPHY OF SCIENCE (3 Credits)**

Learning Outcomes: On the successful completion of this course, students will be able to: Explaining the ontological, epistemological, and axiological aspects of philosophy and their intersections to business activities; Writing a journal article on certain business issues with appropriate philosophical paradigms as the frame of reference; Analyzing certain phenomena in computer science based on philosophy of science perspectives.

Topics: Introduction to general philosophy and ethics (1); Introduction to general philosophy and ethics (2); Paradigms in philosophy of science (1); Paradigms in philosophy of science (2); Empiricism, Rationalism, Intuitionism; Postmodernism and Science; Scientific Theories; Selected Issues in Philosophy of Science (1); Selected Issues in Philosophy of Science (2).

SUBJECT AREA: RSCH**RSCH9012 – RESEARCH METHODOLOGY (3 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Develop a research project proposal; Perform an appropriate literature review; Determine appropriate methods and objectives for addressing the aim of a project; Write an outline and final manuscript for a "conference-style" paper; Construct the front-matter, introduction, background, and outline of a thesis; Present and review the results of research to a group of their peers

Topics: Introduction to the Course; Starting the research project: problem formulation; Element of the research proposal; More in Research Designs, Hypothesis and Experimentation; Finagle and Fraud in Research? See Stephen Colbert's segment on the Rogoff and Reinhart Austerity paper; Experimental and Ex Post Facto Designs; Statistical Techniques: data preparation, descriptive statistics, inferential statistics; Ethics & Professional Responsibility in Research; Graduate Education, the Research Community and Research Politics; Mini Conference Present a scientific paper at workshop; Proposal Title and Presentation Slides Scientific method.

5. BINUS BUSINESS SCHOOL

BINUS Business School offers three levels of higher education programs in business and management studies: undergraduate, master, and doctorate programs. The undergraduate program is a *Bachelor of Management* degree program that consists of the international programs (located in Joseph Wibowo Center or JWC campus) and the regular programs (located in Kemanggisian, Alam Sutera, and Bekasi campuses). The master program is known as *Master of Management* degree program located in JWC and Alam Sutera campuses), while the doctoral program is a *Doctor of Research in Management* degree program (located in Kemanggisian campus).

BINUS Business School has been nationally recognized as a study program with ICT driven and entrepreneurial focus. The curricula of each program are continuously updated and benchmarked to local and international industries and many reputable national and international universities. The undergraduate and master degree programs at BINUS Business School have been awarded with an A grade from the national accreditation agency for higher education (BAN-PT) of the Republic of Indonesia. BINUS Business School emphasizes its curriculum in business decision-making, professionalism, entrepreneurial skill and ethics, which are applied within small to large businesses both in local and international level. There are *four* schools in BINUS Business School: Undergraduate Program (UP), International Undergraduate Program (IUP), Master Program (MP), and Doctorate Program (DP).

BINUS Business School UP manages the following programs: Business Creation, Business Management, International Business Management, International Marketing and Management. The teaching and learning activities are held in various campuses including the Syahdan, Anggrek, Bekasi, and Alam Sutera campuses. Meanwhile, the BINUS Business School IUP currently manages programs that concentrate on International Business and Business Management and Marketing and holds the teaching and learning activities in the JWC campus.

The philosophy of education in BINUS Business School is to nurture the knowledge in business management with the willingness to continuously make improvement of current achievements. One of the significant values that BINUS Business School has the freedom to innovate. It means combining the integrity with a creative and results-oriented spirit.

BINUS Business School Master of Management Program provides diverse and relevant programs that cater to specific needs, such as career advancements, changes in career direction, personal development, or research opportunities. BINUS Business School MP currently manages the following programs: Young Professional Creative Marketing, Young Professional Business Management, Professional Business Management, Business Management (Blended Learning), and Executive Management.

BINUS Business School Doctorate Program is a doctorate program in management which emphasizes the development of knowledge in management by combining the elements of science, best practices, and use of Information and Communication Technology (ICT). It offers concentrations in business, marketing science, and information system.

Vision and Mission BINUS BUSINESS SCHOOL

Vision

To be an internationally recognized business school in the continuous pursuit of innovation in education.

Mission

We are committed to implement innovative mindset in business education and research to develop professionals who can meet the challenges of industries and society.

Academic Title

Students have the right to carry the academic title from BINUS Business School if he/she has fulfilled the requirements to attend graduation. The title given is adapted to the rule of the government.

Table of Academic Title BINUS Business School

Programs	Study Level	Academic Title
BBS Undergraduate Program:		
• Management	S1	Sarjana Ekonomi (S.E.)
• International Marketing	S1	Sarjana Ekonomi (S.E.)
• International Business Management	S1	Sarjana Ekonomi (S.E.)
• Business Creation	S1	Sarjana Ekonomi (S.E.)
• Business Management	S1	Sarjana Ekonomi (S.E.)
BBS International Undergraduate Program:		
• International Business	S1	Sarjana Ekonomi (S.E.)
• Business Management and Marketing	S1	Sarjana Ekonomi (S.E.)
BBS Master of Management Program:		
• MM Young Professional – Business Management	S2	Magister Manajemen (M.M.)
• MM Young Professional – Creative Marketing	S2	Magister Manajemen (M.M.)
• MM Professional – Business Management	S2	Magister Manajemen (M.M.)
• MM Business Management – Blended Learning	S2	Magister Manajemen (M.M.)
• MM Executive Management	S2	Magister Manajemen (M.M.)
BBS Doctorate Program:		
Doctor of Research in Management	S3	Doktor Manajemen (Dr.)

5.1 BINUS Business School Undergraduate Program

5.1.1 Introduction

The School was established in 2011, and firstly named as School of Business Management when it separated itself from Faculty of Economics and Business. Since then, The School continues to grow, placing remarkable milestone and great journey in supporting the needs of the Industry and addressing the challenges of national education. In 2016, BINUS UNIVERSITY initiated a consolidation of all level of Business School into a single comprehensive BINUS Business School that offers three levels of higher education in business and management studies, from undergraduate, master and doctorate. The school changes its name to BINUS Business School Undergraduate Program.

The School, BINUS Business School Undergraduate Program, currently provides education for undergraduate students, in business and management program. The school offers 5 majors, and those are Management (S1 - SE), International Marketing (S1 - SE), International Business Management (S1 - SE), Business Creation (S1 - SE), and Business Management (S1 – SE). All the programs are created to offer a high-quality standard of education programs for undergraduate students. The curriculum of each program is continuously updated and benchmarked to local and international industry and many reputable international universities.

Management program emphasizes in applied business decision-making within small to large businesses. The content of the curriculum portrays the current business background for helping students who plan either to develop their entrepreneurial skills or to enter into professional fields in business and organizations, new business development or e-business.

The International Marketing program was established in 2011. The program is designed for students seeking innovative ways in looking at various business problems. The principles approach and conclusions derived from the study of marketing from the basic ground for developing sound policies in business and marketplace needs. The study of international marketing is an interesting way to equip students for several types of careers, including international marketers, marketing management, marketing consultant or digital marketers, in corporations all sectors.

The International Business Management Program was firstly initiated in 2012. The program is designed to enable students to cope with the dynamic international business environment. The students will be equipped with knowledge and skills of business in an international atmosphere, its process, and cases that may be faced in the business environment. The knowledge and skills that gained by students will equip them to enter and develop careers in international business including but not restricted to trade, export and import.

Business Creation Program is the expansion of the Entrepreneurship stream in management program. This program is designed specifically to produce graduates who are pursuing to establishing and running a new business (business start-up). Students will be equipped with the knowledge and skills about how to find business opportunities and to generate innovative business ideas; how to design a business model and write a business plan that generates sustainable revenue streams growth and sustainable business. Furthermore, students will also get access to meet with investors and potential entrepreneurs for mentoring, sharing ideas and raising funds.

Business Management program with a focus in Services Management area was established in 2016. Since the third quarter of the year 2015, Indonesia has actively participated in ASEAN Economic Community (AEC)'s member country. This AEC needs local and brings international services companies to Indonesia to grasp business opportunities, while at the same time domestic companies may also expand themselves overseas, and both need business management graduates with a focus in services management as part of a management team to run these type of businesses.

Learning Goals

By the completion of our program

1. Management Concept

Each student should be able to comprehend business and management concept.

2. Creative Thinking and Entrepreneurial Skills

Each student should be able to work innovatively by applying their adept thinking, entrepreneurial, and ICT skills.

3. Global Mindset

Each student should be able to perform global mindset in exercising business concept.

4. Ethics

Each student should be able to apply ethical and professional values.

5.1.2 Method of Education Delivery

The delivery of education services is carried out by using credits (SKS) as a measurement of evaluating students' learning.

The Credits is a way of organizing higher education programs in order to explain its academic weight.

Semester is a minimum period that describes the duration of the education program.

The General Objective of the credits (SKS) method is to enhance the extent to which higher education can be developed. It involves the presentation of education programs that are flexible and more varied, gives greater opportunity to students when choosing programs, and focuses on planning a definite professional path.

The specific objectives are:

1. Allow the students who are clever and diligent to finish their study in a minimum duration.
2. Allow the students to choose the subject according to their interest, talent, and capacity.
3. Give the possibility to the execution of education system with plural input and output.
4. Facilitate the adaptation of curriculum to a rapid development of knowledge and technology.
5. Enables the evaluation system of advance learning of the students could be conducted optimally.

Basic Characteristic of Credit is:

In credit system, each subject has a weight namely credits. The number of credits of subjects is various. It is determined by the effort to finish the tasks presented in lecture program, job training, practical work, and other tasks.

In credit system, each subject is finished in one semester that lasts for 13 weeks (exclude mid exam and final exam).

In addition to quantitative valuation, credit system acknowledges that the finishing of study unit could be valued in a quantitative manner by giving a weight to the relevant unit.

At BINUS Business School Undergraduate Program, 1 credit equals to 36-48 hours/semester. To attain the good result, a student is expected to provide 50 minutes face to face for each credit per week, and at least one or two hours of self-learning. The recently mentioned time is provided to recite and explore the material that has been accepted in the course, for example: reading the textbook suggested, doing the task, etc.

One credit is made up of:

1. An academic hour of scheduled face to face learning in the classroom with education staff.
2. An academic hour of structured academic activity which is not scheduled but has been planned by education staff (lecturers) e.g.: review session or seminar.
3. An academic hour of independent academic activity like reading, summarizing, working on papers etc.

The delivery of education at BINUS Business School Undergraduate Program is achieved through teaching materials, discussion, speeches, case studies, job training, and practical work.

Examinations

The examinations which are conducted by BINUS Business School Undergraduate Program consist of course examination and final project/thesis examination.

- **Course Examination**

The examination for each course consists of two forms: Mid-term test (UTS) and Final test (UAS) that are conducted once in each semester. For the practical examination in the laboratory, the student must take both theory and practical tests.

- **Thesis Examination**

Students who finish the report for the thesis take a thesis examination. The mechanism for the thesis examination follows the guidelines for the thesis of each program.

Right to Take the Examination

The right to take the examination is given to students under the following conditions:

- Students are registered during the prevailing semester or academic year and are registered with the subject for that particular examination.
- Students are not on suspension or are taking academic leave.
- Students fulfill other academic requisites, e.g : frequency of attendance.
- Students fulfill all the administrative and financial obligations.

5.1.3 Evaluation System

Calculation of Final BBS Undergraduate Program Score of Theory Course (NAT)

Table Calculation of Final Score of Theory Course (NAT)

Element				
NKK (Attendance)	TMK (Score of Assignment)	NMS (Score of Mid-term Test)	NUS (Score of Final Test)	NAT (Final Score of Theory)
0 %	20 %	30 %	50 %	100 %

Calculation of Semester Final Score (NAS)

There are two kinds of Calculation:

Subjects that have a practical work:

$$\text{Final Score of Semester (NAS)} = (\text{NAT} \times \% \text{ Weight of Theory}) + (\text{NAP} \times \% \text{ Weight of Practical Work})$$

Subjects that have no practical work:

$$\text{Final Score of Semester (NAS)} = \text{Final Score of Theory (NAT)}$$

Note: Semester Final Score (NAS) determines the grade for the subject.

The evaluation system that meets the objectives of the education program at BINUS Business School Undergraduate Program is an Absolute Evaluation System.

The Final Score for the semester is presented with the following Alphabetical Values:

Presented with the following Alphabetical Values:

Table Grading System for BINUS Business School Undergraduate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Distinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Distinction
B-	2.5	70 – 74	
C	2	65 – 69	Pass
D	1	50 – 64	Near Pass
E	0	0 – 49	Fail
F	0	-	Incomplete

Credits Load in One Semester

Study load in one semester can be determined by individual ability and by looking at the students' results from the last semester, which are measured by Semester Grade Point Average (IPS/GPS), or all of the semesters by Cumulative Grade Point Average (IPK/GPA).

Semester Grade Point Average (IPS/GPS) is counted as follow:

$$\text{GPS} = \frac{\sum (KN)}{\sum K} = \frac{\sum M}{\sum K}$$

Cumulative Grade Point Average (IPK/GPA) is counted as follow:

$$\text{GPA} = \frac{\sum M}{\sum L}$$

K = Number of credits taken in related semester

N = Weight of each subject taken

M = Conversion Value (K x N)

L = Number of pass credits

Table of Prerequisites

The students must pass all courses which are stated in the table of prerequisites with minimum score required is D (for certain department, the minimum score required is C).

Tutorial and Multipaper Examination

- Students must attend tutorial courses and multipaper exams which are stated in Quality Controlled Courses List.
- For leave or remedial students, they do not require to follow the tutorial, but they are still required to follow multipaper exams.

Studying Success Evaluation of BINUS Business School Undergraduate Program

The students must fulfill the following requirements:

- Passing the final examination of final project/thesis and collect its hard covers.
- Obtaining minimum cumulative credits of 146 (including the thesis) for Undergraduate programs. The double majors have its own rules. Otherwise stated as elective courses, all courses (Mata Kuliah) are compulsory.
- Achieving GPA at a minimum of 2,00 and finishing all obligatory subjects.
- Passing all of the subjects of Quality Controlled Courses (PM).
- Not having an outstanding loan (finance, library, and administration).

5.1.4 3+1 Curriculum for BBS Undergraduate Program

In the year 2014/2015, BINUS UNIVERSITY started implementing 3+1 curriculum for all undergraduate programs, which allow students to have a one-year enrichment program. The program consists of 2 semesters with 8 credit units to 16 credit units each. Students may choose 5 tracks for each semester, namely 1) Internship Track; 2) Entrepreneurship Track; 3) Community Development Track; 4) Research Track; 5) Study Abroad Track. By the end of

each semester, each student will submit an enrichment report and assessment related to technical competencies in his/ her disciplines and soft skills.

Considering the urgency of enrichment program to achieve learning outcomes, it affects all courses in enrichment program to become one entity. It means that if there is one or more than one failed courses in enrichment program, the whole courses in enrichment program will also be failed.

Internship Track:

The aim of Industrial experience track is to facilitate students in the real industrial setting. By following this track, students will work full time and have exposures to the industrial experience in multinational or top national companies with study program related to job task. The assessment for this track will involve both industry supervisor and faculty member supervisor to give the assessment for students. Through this program, students will also have opportunities for future employability/job offer, and talent grooming (e.g. MT Program, LD Program).

Entrepreneurship Track:

This track provides students with real experiences to become entrepreneurs through business start-ups. Students will come to the office at Binus Campus from 09.00 – 18.00 from Monday to Friday. The Office will be supported with Coaches, Content & Administration officers, and Program Officers. Student's Entrepreneurship track who's ready with the prototype product to be monetized will be supported internally with links to industry within the program. External supports will be provided by Mentors from industry related to the business Start Up.

Community Development Track:

Community Development is a program conducted by students to achieve the 5th mission of BINUS Business School Undergraduate Program to improve the quality of life of Indonesian and global community. These initiatives include: 1) Scheduled Voluntary Services incorporated in a Company's Corporate Social Responsibility (CSR) or a Social Foundation's Program; and 2) Community Development activities to improve community's ecosystems. Apart from utilizing their knowledge to design and implement a system in communities (excerpted from their technical competence and soft skill), students will also have direct interaction with local people as well as enjoy the opportunity of living in with them.

Research Track:

This track allows students to get involved in conducting research related to the study program scope. Student will be attached to a team that conducts a research as a junior researcher. The research itself can be conducted in BINUS or outside BINUS (e.g. government research institution, R&D unit in a company). Students can start from writing a research proposal or jump directly into an ongoing research activity in that institution (not necessarily developing a research proposal).

Study Abroad Track:

This track will give students opportunities to have study experience in foreign countries. Courses that are taken by students are transferred directly to the respective courses in BINUS transcripts. Through this track, students will be able to expose themselves to international experiences, such as personal development, academic development, and cultural value.

5.1.5 Thesis

To finish the Undergraduate program (S1) at BINUS Business School Undergraduate Program, the student must be capable of compiling and presenting the thesis to the examiner.

The thesis compilation must be relevant to the rules of the department. It must be conducted by the individual, guided by a supervisor that is appointed by the head of the study program or program.

5.1.6 Programs

Management

Introduction

The curriculum of the management program is designed as an anticipation to dynamics global competition, which requires organizational leadership and entrepreneurial skills with a strong ICT base and capability to continuously adapt and innovate in order to maintain sustainable growth and contribute to the society and the nation. This program will develop students knowledge in managing a company's operation and fostering their problem-solving skills to cope with challenging situation. In this regard, the curriculum materials will emphasize on the art of business, innovation and strategic thinking that are required to become a manager or business leader.

The graduates are expected to gain their potential to become future leader that can address business challenges through the following competencies, such as: ability to develop and manage the business, ability to apply information technology applications in business, ability to pursue the digital economy business, ability to optimize the capability and capacity of the organization and its resources, the ability to optimize with the use of management information systems and readiness to work in various field both nationally and internationally. Management Curriculum also provides schematics and platform through the 3 + 1 Program, that allow the students to improve their practical and managerial capabilities as required by industry and to maintain its sustainable growth, and empowering the society and the nation.

The program uses, a multi-channel learning model. In this model, the students will have face to face sessions in the classroom, perform the self study by using textbooks, e-book, video material and collaborative online learning. The method is intended to encourage the students to learn independently by utilizing all available accesses and technology. Furthermore, by introducing ICT technology based learning module, it will open a broad access for students to explore various educational resources from abroad.

Prospective Career of the Graduates

The graduate of the Management study program will have the skills in a wide range of professions such as in management and business consultant, as a middle manager in enterprises (including manufacturing, services, hospitals, hotels, banks, education,e-business) as well as being an entrepreneur including the profession in the field of management that requires the ability to understand the utilization of ICT for business solutions by demonstrating the competencies listed above, BINUS Business School Undergraduate Program Management will be ready to face the dynamic challenges of business.

Curriculum

The curriculum is based on the National Curriculum and Management program association that covers Management knowledge and skills as well as attitude to support core competence in the following optional subjects:

1. **E-Business:** Graduates will be expected to comprehend the design and management of the business in the digital era.
2. **Business Development Management:** Graduates will be able to integrate management principles and new business initiation into a comprehensive strategic plan that promotes sustainable growth.
3. **Business and Organization:** Graduates will be able to develop leadership skills, control and the business managerial role to anticipate challenges and competition of global organizations and businesses.

Course Structure

Sem	Code	Course Name	SCU	Total
1	MGMT6011	Introduction to Management and Business*	4	20
	ACCT6087	Introduction to Accounting	4	
	MATH6048	Business Mathematics	4	
	LAWS6075	Legal Aspect in Economics	2	
	ECON6005	Microeconomics	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ECON6006	Macroeconomics*&***	4	
	ISYS6181	Management Information Systems for Leader	4	
	ENTR6003	Entrepreneurship I	2	
	MKTG8005	Marketing Management*	4	
	COMP6203	Office for Professional	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	MGMT6038	Cross Cultural Management	2	
	COMM8006	Business Communication**	2	
	MGMT6012	Human Resources Management	4	
	ECON8009	Managerial Economics**	4	
	BUSS6066	Business Ethics	2	
	STAT8067	Business Statistics I	2	
	Stream : Business and Organization			
	MGMT6274	Management and Organization*&***	4	
	Stream : Business Development Management			
	MGMT6275	Customer Relationship Management*&***	4	
	Stream : E-Business			
	ISYS6447	E-Business System*&***	4	

Sem	Code	Course Name	SCU	Total
4	CHAR6015	Character Building: Agama	2	24
	ACCT6049	Managerial Accounting	4	
	FINC6001	Financial Management**	4	
	ENTR6004	Entrepreneurship II	2	
	Stream : Business and Organization			
	MGMT6046	Management Science	4	
	MGMT6276	Leadership & Managing Human Capital in Organization*	4	
	MGMT6145	Compensation and Performance Management**&***	2	
	MGMT6033	Advanced Topics in Business and Organization	2	
	Stream : Business Development Management			
	BUSS6109	Business Development	4	
	MGMT6196	Project Management	4	
	BUSS6068	Managing Innovation and Knowledge*	2	
	MKTG6165	Market Research	2	
	Stream : E-Business			
	COMP6405	Website Design	2/2	
	FINC6081	Analysis on E-Business Investment*&***	2	
	ISYS6084	Database	2/2	
	ISYS6085	Advanced Topics in E-Business	2	
	5	RSCH6026	Research Methodology**	
STAT8068		Business Statistics II	2/2	
MGMT6018		Operational Management**	4	
Stream : Business and Organization				
MGMT6144		Corporate Governance*	4	
PSYC6100		Industrial and Organization Psychology	2	
MGMT7314		Strategic Management**&****	4	
Stream : Business Development Management				
BUSS6069		Business Simulation	2	
BUSS6070		Business Negotiation Strategy*	4	
BUSS6071		Organization Development Strategy***	4	
Stream : E-Business				
ISYS8175		E-Business Strategy and Implementation*	4	
MGMT6029		Knowledge Management*	2	
MKTG6100		e-Marketing and e-CRM*&***	4	
6	Stream : Business and Organization			15
	Enrichment Program I		15	
	Stream : Business Development Management			
	Enrichment Program I		15	
	Stream : E-Business			
	Enrichment Program I		15	

Sem	Code	Course Name	SCU	Total
7	Stream : Business and Organization			16
	Enrichment Program II		16	
	Stream : Business Development Management			
	Enrichment Program II		16	
	Stream : E-Business			
	Enrichment Program II		16	
8	MGMT6017	Thesis	6	6
TOTAL CREDIT 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	
6		v					v					
7		v						v				
8		v							v			
9		v								v		
10		v									v	
11			v				v					
12			v					v				
13			v						v			
14			v							v		
15			v								v	

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
16				v			v					
17				v				v				
18				v					v			
19				v						v		
20					v		v					
21					v			v				
22					v				v			
23					v					v		
24					v						v	

Notes:

IN : Internship
RS : Research
EN : Entrepreneurship
CD : Community Development
SA : Study Abroad
etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
Stream : Business and Organization			
MGMT6124	Industrial Experience	8	
MGMT6125	Business & Organization in Industrial Experience	2	
MGMT6126	Organizational Performance & Evaluation in Industrial Experience	2	
MGMT6217	Entrepreneurial and Industrial Business Development	3	
Stream : Business Development Management			
MGMT6197	Industrial Experience	8	
MGMT6198	Business Development in Industrial Experience	2	
MGMT6199	Project Management in Industrial Experience	2	
MGMT6228	Entrepreneurial and Industrial Business Development	3	
Stream : E-Business			
MGMT6130	Industrial Experience	8	
MGMT6131	E-Business Management in Industrial Experience	2	
MGMT6132	E-Business Application in Industrial Experience	2	
MGMT6216	Entrepreneurial and Industrial Business Development	3	

Code	Course Name	SCU	Total
Enrichment Program II			16
Stream : Business and Organization			
MGMT6134	Professional Experience	8	
MGMT6135	Business & Organization in Professional Experience	2	
MGMT6136	Organizational Performance & Evaluation in Professional Experience	2	
MGMT6137	Business Management and Professional Development	4	
Stream : Business Development Management			
MGMT6201	Professional Experience	8	
MGMT6202	Business Development in Professional Experience	2	
MGMT6203	Project Management in Professional Experience	2	
MGMT6204	Business Management and Professional Development	4	
Stream : E-Business			
MGMT6140	Professional Experience	8	
MGMT6141	E-Business Management in Professional Experience	2	
MGMT6142	E-Business Application in Professional Experience	2	
MGMT6143	Business Management and Professional Development	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: (For students who only take Entrepreneurship track in semester 6, should take these courses)			15
ENTR6285	Business Start Up	8	
ENTR6276	Business Model & Validation	2	
ENTR6277	Launching New Venture	2	
ENTR6248	Entrepreneurship and Managing New Business	3	
Enrichment Program I: (For students who take Entrepreneurship track in semester 6 and 7, should take these courses)			
ENTR6285	Business Start Up	8	
ENTR6276	Business Model & Validation	2	
ENTR6277	Launching New Venture	2	
ENTR6248	Entrepreneurship and Managing New Business	3	

Code	Course Name	SCU	Total
Enrichment Program II (For students who take Entrepreneurship track in semester 6 and 7, should take these courses)			16
ENTR6278	Growing a Business	8	
ENTR6279	Lean Start Up & Business Plan	2	
ENTR6280	Venture Capital	2	
ENTR6250	Entrepreneurship and Managing the Business Operation	4	
Enrichment Program II: (For students who only take Entrepreneurship track in semester 7, should take these courses)			
ENTR6285	Business Start Up	8	
ENTR6276	Business Model & Validation	2	
ENTR6277	Launching New Venture	2	
ENTR6249	Entrepreneurship and Managing New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6370	Research for Business Management	8	
RSCH6371	Scientific Writing in Business Management	4	
RSCH6372	Global Entrepreneurship and Business Development	3	
Enrichment Program II			16
RSCH6373	Research for Industrial Competition	8	
RSCH6374	Scientific Writing in Management Research	4	
RSCH6375	Global Entrepreneurship and Industrial Competition	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6120	Community Outreach Project Implementation	8	
CMDV6091	Community Outreach Project Design in Management	4	
CMDV6092	Socio Entrepreneurship Development	3	
Enrichment Program II			16
CMDV6117	Community Development Project Implementation	8	
CMDV6093	Community Development Project Design in Management	4	
CMDV6094	Managing Socio Entrepreneurship	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for Management (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
ACCT6049	Managerial Accounting	4	4	ACCT6087	Introduction to Accounting	4	1
MGMT6017	Thesis	6	8	RSCH6026	Research Methodology	4	5
Stream : Business and Organization							
MGMT7314	Strategic Management	4	5	MGMT6012	Human Resources Management	4	3
MGMT6144	Corporate Governance	4	5	MGMT6274	Management and Organization	4	3
Stream : E-Business							
ISYS8175	E-Business Strategy and Implementation	4	5	ISYS6447	E-Business System	4	3
Stream : Business Development Management							
BUSS6071	Organization Development Strategy	4	5	MGMT6011	Introduction to Management and Business	4	1

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	MKTG8005	Marketing Management	C
4.	ISYS6181	Management Information Systems for Leader	C
5.	MGMT6012	Human Resources Management*	C
6.	ECON6005	Microeconomics	C
Stream: Business and Organization			
7.	MGMT6274	Management and Organization*	C
8.	MGMT6276	Leadership and Managing Human Capital in Organization*	C
Stream: Business Development Management			
7.	BUSS6109	Business Development	C
8.	BUSS6071	Organization Development Strategy*	C
Stream: E-Business			
7.	ISYS6447	E-Business System*	C
8.	ISYS8175	E-Business Strategy and Implementation*	C

*) Tutorial & Multipaper

International Marketing

Introduction

In a global escalation of future market competition, it is compulsory to prepare and provide graduates to fill in the growing demands of professionals in international marketing fields. In order to face ASEAN economy community and global competitive market, many businesses expand abroad that requires skilled professionals to market products and services in the international market and respectively happened for overseas products and services.

The International marketing program is carefully catered for the challenges mention above. This program equips students with up to date knowledge, marketing practices, and soft-skills which enable them to survive and expand their capacities. The International Marketing program has three values to be conveyed to students, i.e. **dynamic** (how to quick-response to the dynamic market trends), **creative** (how to design and execute creative marketing strategy and programs), and **digitalized** (how to apply digital concept in marketing activities in this technology era).

Prospective Career of the Graduates

1. Global Advertising
2. Product Strategist
3. Global Brand Strategist
4. Social Media Marketing
5. International Marketing Research
6. Marketing Communication
7. Digital Marketing
8. Marketing Consultant
9. Sales Management
10. Customer Relationship Management
11. Global Retail Marketing
12. International Not-for-Profit Marketing

Curriculum

This curriculum is designed to meet the needs skills of International Marketing practices skills and competencies in current global business conditions that will also fulfill students with sense of art and science of international marketing discipline and provide adequate tools for marketing analysis of business problems.

The content of the curriculum is adjusted to the ICT based utilization of marketing in global market competition that focuses on online and offline marketing strategy. It also includes powerful marketing knowledge on how to identify international market needs, wants, and characteristics; how to design the right global marketing strategy; how to plan the effective global marketing program; how to sell the product/service to the international market, and how to maintain and utilize the relationship with international customers. These all will be delivered through unique and special subjects related to International Marketing fields, such as Consumer Behaviour, Marketing Research, Retail & Omni Channel, Digital Marketing (Social Media & Content Marketing), Global Strategic Marketing in Asia Pasific Perspective and Customer Relationship Management.

Course Structure

Sem	Code	Course Name	SCU	Total
1	MKTG8005	Marketing Management*	4	20
	MGMT6012	Human Resources Management	4	
	MGMT6011	Introduction to Management and Business*	4	
	ACCT6087	Introduction to Accounting	4	
	STAT8067	Business Statistics I	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ECON6005	Microeconomics	4	
	LAWS6075	Legal Aspect in Economics	2	
	ISYS6181	Management Information Systems for Leader	4	
	STAT8068	Business Statistics II	2/2	
	ENTR6003	Entrepreneurship I	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	ECON8009	Managerial Economics	4	
	ECON6006	Macroeconomics*	4	
	MATH6048	Business Mathematics	4	
	MKTG8006	Consumer Behaviour**&***	4	
	MKTG6235	Product & Brand Strategy***&****	4	
	COMP6203	Office for Professional	2	
4	CHAR6015	Character Building: Agama	2	22
	FINC6001	Financial Management	4	
	RSCH6026	Research Methodology	4	
	ACCT6049	Managerial Accounting	4	
	MKTG6059	Integrated Marketing Communication*&***	2	
	MKTG6234	Retail and Omni Channel*&***	4	
	ENTR6004	Entrepreneurship II	2	
5	MGMT6038	Cross Cultural Management	2	22
	COMM8006	Business Communication	2	
	MGMT6018	Operational Management	4	
	MKTG6236	Digital Marketing (Social Media & Content Marketing)***&****	4	
	MKTG6237	Global Strategic Marketing : Asia Pacific Perspective*&***	4	
	MKTG6021	Customer Relationship Management*&***	2	
	MKTG6110	Marketing Research**	4	

Sem	Code	Course Name	SCU	Total
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	MGMT6040	Thesis	6	6
				TOTAL CREDIT 146 SCU

*) This course is delivered in English

**) Global Learning Systems Course

***) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v									v		
4	v										v	
5		v					v					
6		v						v				
7		v								v		
8		v									v	
9			v						v			
10				v			v					
11				v				v				
12				v						v		
13				v							v	
14					v		v					
15					v			v				
16					v					v		
17					v						v	

Notes:

IN : Internship

RS : Research

EN : Entrepreneurship

CD : Community Development

SA : Study Abroad

etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
MKTG6058	Industry Experience	8	
MKTG6101	Industrial Marketing Practice	2	
MKTG6102	Marketing Research in Industrial Practices	2	
MKTG6167	Employability and Entrepreneurial Skill in Industrial Experience	3	
Enrichment Program II			16
MKTG6104	Professional Experience	8	
MKTG6105	Professional Practice in Marketing	2	
MKTG6106	Marketing Research in Professional Practices	2	
MKTG6107	Employability and Entrepreneurial Skill in Professional Practices	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6270	Business Start Up	8	
ENTR6268	Business Model in International Marketing Field and Validation	2	
ENTR6269	Launching New Venture in International Marketing Field	2	
ENTR6274	EES in New Business	3	
Enrichment Program II			16
ENTR6272	Growing a Business	8	
ENTR6288	Lean International Marketing Start Up Venture & Marketing Plan	2	
ENTR6256	Venture Capital in International Marketing Field	2	
ENTR6273	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6342	Marketing Research Experience	8	
RSCH6343	Scientific Writing for International Marketing Research Experience	4	
RSCH6344	Global EES (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			16
RSCH6345	Marketing Research Implementation	8	
RSCH6346	Scientific Writing for International Marketing Research Implementation	4	
RSCH6347	Global EES (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6114	Community Outreach Project Implementation	8	
CMDV6109	Community Outreach Project Design in International Marketing Field	4	
CMDV6106	Employability and Entrepreneurial Skills in Community Development	3	
Enrichment Program II			16
CMDV6115	Community Development Project Implementation	8	
CMDV6113	Community Development Project Design in International Marketing Field	4	
CMDV6107	Employability and Entrepreneurial Skills in Managing Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for International Marketing (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
FINC6001	Financial Management	4	4	MGMT6011	Introduction to Management and Business	4	1
MKTG8006	Consumer Behaviour	4	3	MKTG8005	Marketing Management	4	1
MGMT6040	Thesis	6	8	MKTG6110	Marketing Research	4	5

Student should pass all of these quality controlled courses as listed below:

No.	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	MKTG8005	Marketing Management	C
4.	ISYS6181	Management Information Systems for Leader	C
5.	MGMT6012	Human Resources Management*	C
6.	ECON6005	Microeconomics	C
7.	MKTG6237	Global Strategic Marketing : Asia Pacific Perspective*	C
8.	MKTG8006	Consumer Behaviour*	C

*) Tutorial and Multipaper

International Business Management**Introduction**

The International Business Management Program is designed to prepare students to face the changing and dynamic environment of in the global business world. Creating an individual who understand the complexities of conducting business on an international scale that is high in demand. The curriculum is designed with a combination of the mastery in conceptualized theory and real business experience in the business world, so the graduates will be ready to compete either in the real business world, to become an entrepreneur and/or to continue for the higher study.

Prospective Career of the Graduates

Offer you a professional career path in an international company and global market to put you in a high demand career or business as:

- | | |
|---|---|
| 1. International Business Analyst | 11. Market Research |
| 2. International Business Development | 12. International Business Planning |
| 3. International Business Relations | 13. International Business Services |
| 4. International Business Credit Analyst | 14. Government International Development |
| 5. Derivatives Trader | 15. Consultant for Finance and Trade |
| 6. Export Officer | 16. Advisory and Partner Executive |
| 7. Foreign Exchange Trader | 17. International Licensing / Franchising Manager |
| 8. Foreign Exchange Officer | 18. Joint venture Project Manager |
| 9. Global Risk Management Solutions Analyst | 19. International Policy Consultant |
| 10. Import Export Coordinator | |

Curriculum

The curriculum of the International Business & Management department has a unique point of managing business and trade globally and was designed to prepare graduate students' readiness to apply their knowledge and work in an appropriate industry, or to become a global entrepreneur. Using an 'International' title should be performed with international languages skill. Besides Bahasa, students also armed with English as core language.

The International Business & Management Program, incorporates many opportunities for students to gain international experience, including:

- Student Exchange
- Study Abroad
- Internship (Compulsory for 1 year)
- Live video lecturing
- Guest Lecturer
- Global Learning System
- Collaboration Learning

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6181	Management Information Systems for Leader	4	20
	MGMT6011	Introduction to Management and Business	4	
	MATH6048	Business Mathematics	4	
	MKTG8122	Marketing Management*	2	
	ECON6037	Microeconomics	2	
	COMP6203	Office for Professional	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	BUSS7001	International Business*&***	4	
	ACCT6087	Introduction to Accounting	4	
	ECON6038	Macroeconomics	2	
	MGMT6012	Human Resources Management	4	
	LANG6061	Indonesian	1	
	ENTR6003	Entrepreneurship I	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	FINC6001	Financial Management	4	
	BUSS6012	International Business Project I*:*:*:*&*****	2	
	BUSS7005	International Trade*:*:*	4	
	MKTG6023	International Marketing*	2	
	LAWS6075	Legal Aspect in Economics	2	
	STAT8067	Business Statistics I	2	
	MGMT6042	Cross Cultural Management*:*:*&*****	4	

Sem	Code	Course Name	SCU	Total
4	CHAR6015	Character Building: Agama	2	24
	ENTR6004	Entrepreneurship II	2	
	STAT8068	Business Statistics II	2/2	
	MGMT6018	Operational Management	4	
	ACCT6049	Managerial Accounting	4	
	BUSS7006	Export-Import Management**&****	4	
	ECON8009	Managerial Economics	4	
5	BUSS7009	Export-Import Cost Management*,&****	2	22
	BUSS6011	Market Entry Strategy*,&****	4	
	BUSS6013	International Business Project II*,&****&****	2	
	MGMT7169	Global Supply Chain Management***	2	
	RSCH8027	Research Methods for International Business	4	
	MGMT7013	Strategic Management*	4	
	BUSS7008	Export-Import Documentation & Standardization*,&****	2	
	COMM8006	Business Communication*	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	MGMT6044	Thesis	6	6
TOTAL CREDIT 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

***) Entrepreneurship Embedded

****) Transferred course from training program at EITC/PPEI (Export Import Training Center/ Pendidikan dan Pelatihan Ekspor Indonesia)

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation
-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	V						V					
2	V							V				
3	V								V			
4	V									V		
5	V										V	
6		V					V					
7		V						V				
8		V							V			
9		V								V		
10		V									V	
11			V				V					
12			V					V				
13			V						V			
14			V							V		
15			V								V	
16				V			V					
17				V				V				
18				V					V			
19				V						V		
20				V							V	
21					V		V					
22					V			V				
23					V				V			
24					V					V		
25					V						V	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
BUSS6031	Industrial Experience	8	
BUSS6032	International Business in Industry	2	
BUSS6033	Global Strategy in Industry	2	
BUSS6077	Capacity Building in Industrial Experience	3	
Enrichment Program II			16
BUSS6035	Professional Experience	8	
BUSS6036	International Trade in Industry	2	
BUSS6037	Management Information System Application in Industry	2	
BUSS6038	Capacity Building in Professional Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: <i>(For students who only take Entrepreneurship track in semester 6, should take these courses)</i>			15
ENTR6261	Business Start Up	8	
ENTR6262	Business Model & Validation	2	
ENTR6263	Launching New Venture	2	
ENTR6254	Capacity Building in New Business	3	
For students who take Entrepreneurship track in semester 6 and 7, should take these courses:			
Enrichment Program I			
ENTR6261	Business Start Up	8	
ENTR6262	Business Model & Validation	2	
ENTR6263	Launching New Venture	2	
ENTR6254	Capacity Building in New Business	3	
Enrichment Program II			16
ENTR6264	Growing a Business	8	
ENTR6265	Lean Start Up & Business Plan	2	
ENTR6266	Venture Capital	2	
ENTR6253	Capacity Building in Business Experience	4	
Enrichment Program II: <i>(For students who only take Entrepreneurship track in semester 7, should take these courses)</i>			
ENTR6261	Business Start Up	8	
ENTR6262	Business Model & Validation	2	
ENTR6263	Launching New Venture	2	
ENTR6200	Capacity Building in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6338	Research Design	8	
RSCH6147	Scientific Writing for Management	4	
RSCH6339	Capacity Building in Research	3	
Enrichment Program II			16
RSCH6340	Research Experience	8	
RSCH6151	Scientific Writing and Implementation for Management	4	
RSCH6341	Capacity Building Implementation in Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6110	Community Outreach Project Implementation	8	
CMDV6067	Community Development Project for Management	4	
CMDV6069	Capacity Building in Community Development	3	
Enrichment Program II			16
CMDV6111	Community Development Project Implementation	8	
CMDV6112	Community Development Project Design	4	
CMDV6068	Capacity Building in Managing Community	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

Code	Course Name	SCU	Total
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for International Business Management (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
BUSS7006	Export-Import Management	4	4	BUSS7001	International Business	4	2
MKTG6023	International Marketing	2	3	MKTG8122	Marketing Management	2	1

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	MKTG8122	Marketing Management	C
4.	ISYS6181	Management Information Systems for Leader	C
5.	MGMT6012	Human Resources Management*	C
6.	ECON6037	Microeconomics	C
7.	BUSS7005	International Trade*	C
8.	BUSS7006	Export-Import Management*	C

*) Tutorial & Multipaper

International Business Management Global Class

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6181	Management Information Systems for Leader	4	20
	MGMT6011	Introduction to Management and Business	4	
	MATH6048	Business Mathematics	4	
	MKTG8122	Marketing Management	2	
	ECON6037	Microeconomics	2	
	COMP6203	Office for Professional	2	
	ENGL6132	English Access	2	
2	CHAR6013	Character Building: Pancasila	2	21
	BUSS7001	International Business*	4	
	ACCT6087	Introduction to Accounting	4	
	ECON6038	Macroeconomics	2	
	MGMT6012	Human Resources Management	4	
	ENGL6133	English Global	2	
	ENTR6003	Entrepreneurship I	2	
	LANG6061	Indonesian	1	
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	FINC6001	Financial Management	4	
	BUSS6012	International Business Project I****	2	
	MKTG6023	International Marketing	2	
	BUSS7005	International Trade*	4	
	LAWS6075	Legal Aspect in Economics	2	
	STAT8067	Business Statistics I	2	
	MGMT6042	Cross Cultural Management*&****	4	
4	CHAR6015	Character Building: Agama	2	24
	STAT8068	Business Statistics II	2/2	
	ENTR6004	Entrepreneurship II	2	
	MGMT6018	Operational Management	4	
	ACCT6049	Managerial Accounting	4	
	BUSS7006	Export-Import Management*&****	4	
	ECON8009	Managerial Economics	4	
5	Elective courses list for study abroad			15
	GLOB6029	Elective Course 1	4	
	GLOB6030	Elective Course 2	4	
	GLOB6031	Elective Course 3	4	
	GLOB6032	Elective Course 4	4	
	GLOB6033	Elective Course 5	2	

Sem	Code	Course Name	SCU	Total
5	GLOB6034	Elective Course 6	2	15
	GLOB6035	Elective Course 7	2	
	GLOB6036	Elective Course 8	2	
	GLOB6037	Elective Course 9	2	
	GLOB6038	Elective Course 10	2	
	GLOB6039	Elective Course 11	2	
	GLOB6040	Elective Course 12	2	
	GLOB6083	Elective Course 13	3	
	GLOB6084	Elective Course 14	1	
6	BUSS7009	Export-Import Cost Management*&***	2	22
	BUSS6011	Market Entry Strategy*&***	4	
	BUSS6013	International Business Project II*&***&***	2	
	MGMT7169	Global Supply Chain Management*	2	
	RSCH8027	Research Methods for International Business	4	
	MGMT7013	Strategic Management	4	
	BUSS7008	Export-Import Documentation & Standardization*&***	2	
	COMM8006	Business Communication	2	
7	Enrichment Program		16	16
8	MGMT6044	Thesis	6	6
TOTAL CREDIT 146 SCU				

*) Global Learning System Course

**) Entrepreneurship Embedded

***) Transferred course from training program at EITC/PPEI (Export Import Training Center/ Pendidikan dan Pelatihan Ekspor Indonesia)

Elective courses list for study abroad (5th Semester):

-) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits

Enrichment Program (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1					V		V					
2					V			V				
3					V				V			
4					V					V		
5					V						V	

Notes:

IN : Internship
RS : Research
EN : Entrepreneurship
CD : Community Development
SA : Study Abroad
etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
BUSS6039	Internship	8	16
BUSS6032	International Business in Industry	2	
BUSS6036	International Trade in Industry	2	
BUSS6042	Capacity Building in Industrial Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6261	Business Start Up	8	16
ENTR6262	Business Model & Validation	2	
ENTR6263	Launching New Venture	2	
ENTR6200	Capacity Building in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6338	Research Design	8	16
RSCH6147	Scientific Writing for Management	4	
RSCH6148	Capacity Building in Research	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6110	Community Outreach Project Implementation	8	16
CMDV6067	Community Development Project for Management	4	
CMDV6168	Capacity Building in Community Development	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
GLOB6005	Elective Course for Study Abroad 1	4	16
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 16 credits.

The Table of Prerequisite for International Business Management Global Class (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
BUSS7006	Export-Import Management	4	4	BUSS7001	International Business	4	2
MKTG6023	International Marketing	2	3	MKTG8122	Marketing Management	2	1

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	MKTG8122	Marketing Management	C
4.	ISYS6181	Management Information Systems for Leader	C
5.	MGMT6012	Human Resources Management*	C
6.	ECON6037	Microeconomics	C
7.	BUSS7005	International Trade*	C
8.	BUSS7006	Export-Import Management*	C

*) Tutorial & Multipaper

Business Creation

Introduction

Business Creation Program is designed specifically to shape future creative and innovative entrepreneurs. Curriculum is designed with a balance of theory and practice, so the graduates will be able to start a new business at third year. Most of the courses are taught by successful entrepreneurs and experienced venture capital expert. Students will meet and hear from entrepreneurs who have created successful ventures. Some of these entrepreneurs will be willing to offer ongoing support and advice. Students will also meet other potential entrepreneurs like them selves with whom they can share ideas.

Prospective Career of the Graduates

There are many fields of career for graduates, including but not limited to:

1. Entrepreneur
2. Intrapreneur
3. Business Developer
4. Business Planner
5. Small Business Consultant

Curriculum

The Curriculum of Business Creation Program has a unique point and was designed to prepare graduate students' readiness to apply their entrepreneurial knowledge and to start a new business. The curriculum is designed based on the Entrepreneurial Process consist of Idea Generation & Opportunity Discovery; Designing Business Model & Business Plan; New Venture Creation and Business Development. Using experiential, action-based and project-based learning method, students will learn about identifying opportunities that offer the potential to grow a business; evaluating opportunities, analyzing the competition and minimizing risk; and starting a new business. Students will understand how to design a business model & write business plan that generates strong revenue streams; how to protect intellectual property; how to make the best potential investment deals including how investment deals work and how to think and act in an entrepreneurial manner.

The student will gain access to mentoring expertise from both investors and entrepreneurs; networks and people who can help students make the dream to a reality; the opportunity to pitch to the investment community and gain feedback and the chance to submit your business plan to be considered for initial investment. To support the entrepreneurial learning, students are provided with a wide range of the entrepreneurial competition, which consists of Business Idea Competition, Creative Selling Competition, Business Model Competition, Business Plan Competition and Business Pitch Competition. In addition to the competition and mentoring, the students will also be facilitated by entrepreneurial activities such as speaking opportunities; sharing session; workshop & seminar; entrepreneur club; industrial visit; boot camp and exhibition.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ACCT6087	Introduction to Accounting	4	20
	MATH6048	Business Mathematics	4	
	MGMT6011	Introduction to Management and Business*	4	
	ENTR6016	Introduction to Entrepreneurship	4	
	ENTR6017	Idea Generation and Opportunity Discovery	4	
2	CHAR6013	Character Building: Pancasila	2	21
	ECON6014	Microeconomics	4	
	MKTG6061	Marketing Management	4	
	ISYS6181	Management Information Systems for Leader	4	
	ENTR6018	Creative & Innovative Thinking*&***	2	
	BUSS6051	Design Thinking in Business**	4	
	LANG6061	Indonesian	1	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	ECON6015	Macroeconomics	4	
	FINC6043	Financial Management	4	
	MGMT6069	Human Resources Management	4	
	STAT6078	Business Statistics I	2	
	MKTG6059	Integrated Marketing Communication	2	
	MKTG6118	Digital Marketing	2/2	
	ENTR6019	Business Risk Analysis*&***	2	
4	CHAR6015	Character Building: Agama	2	24
	LAWS6079	Legal Aspect in Economics	2	
	ACCT6105	Managerial Accounting	4	
	MGMT6070	Operational Management	4	
	STAT6079	Business Statistics II	2/2	
	COMM6128	Business Communication	2	
	ENTR6020	New Venture Creation*&***	4	
	TRSM6099	Hospitality & Service Excellent	2	
5	ECON6016	Managerial Economics	4	20
	ENTR6033	Business Plan	4/4	
	MGMT6038	Cross Cultural Management	2	
	ENTR6025	Entrepreneurial Strategy	2	
	ENTR6026	Managing Growing Business**	4	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	ENTR6032	Thesis - Business Start-Up Report	6	6
TOTAL CREDIT 146 SCU				

*) This course is delivered in English

**) Global Learning System Course

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus).

Enrichment Entrepreneurship Program

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6021	Business Start Up	8	
ENTR6022	Developing Business Model	2	
ENTR6023	Launching New Venture	2	
ENTR6084	EES in New Business I	3	
Enrichment Program II			16
ENTR6028	Growing a Business	8	
ENTR6029	Developing Business Plan	2	
ENTR6030	Venture Capital	2	
ENTR6031	EES in New Business II	4	

The Table of Prerequisite for Business Creation (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
ACCT6105	Managerial Accounting	4	4	ACCT6087	Introduction to Accounting	4	1
FINC6043	Financial Management	4	3	MGMT6011	Introduction to Management and Business	4	1

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	MKTG6061	Marketing Management	C
3.	ISYS6181	Management Information Systems for Leader	C
4.	MGMT6069	Human Resources Management*	C
5.	ECON6014	Microeconomics	C
6.	ENTR6018	Creative & Innovative Thinking*	C
7.	ENTR6020	New Venture Creation*	C

*) Tutorial & Multipaper

Business Management

Introduction

In facing global competition in the field of business services in the future and encouraging the growth of entrepreneurship in this venture, it is necessary to provide graduates to fill in the growing demands of professionals in global business service fields with a highly competency individual and the ability and a good understanding of ICT as a business enabler. The implementation of the multilateral trade agreement, and the increasing of global competitive service business, encourage more companies to expand abroad. It will increase demand for professionals in the field of production and services, including the personnels who are able to adapt, and to innovate, in facing the turmoil and dynamic market. The business management program carefully prepares a learning curriculum to serve the challenges above. The program equips students with the knowledge updates, business practices, and soft-skills that enable them to survive and expand their capacity.

Prospective Career of the Graduates

Business management program graduates will have skills in business services such as banking, consulting, and hospital and as a manager in the company (including the essential functions in the field of management) as well as an entrepreneur, and demonstrate competence listed above. Business management graduates will be ready to face the challenges of the dynamic global business services.

Curriculum

Business management curriculum has been designed to meet the conditions of today's global business services and readiness to prepare graduate students to apply their knowledge in the industry accordingly. The curriculum is based on both international and national curriculum that includes art and science of business management knowledge and the skills and attitude to support core competencies. Curriculum content continually adapts to the technological knowledge of the utilization of ICT-based business service management globally. Therefore, teaching materials are enhanced to meet the stakeholders and to create and manage business management excellence across the global business services.

Course Structure

Sem	Code	Course Name	SCU	Total
1	MGMT6011	Introduction to Management and Business*	4	20
	ACCT6087	Introduction to Accounting	4	
	MATH6048	Business Mathematics	4	
	LAWS6075	Legal Aspect in Economics	2	
	ECON6005	Microeconomics	4	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6013	Character Building: Pancasila	2	21
	ECON6006	Macroeconomics*	4	
	ISYS6181	Management Information Systems for Leader	4	
	ENTR6003	Entrepreneurship I	2	

Sem	Code	Course Name	SCU	Total
2	MKTG8005	Marketing Management*	4	21
	COMP6203	Office for Professional	2	
	LANG6061	Indonesian	1	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	MGMT6018	Operation Management	4	
	ACCT6049	Managerial Accounting	4	
	STAT8067	Business Statistics I	2	
	ECON8009	Managerial Economics	4	
	MKTG6175	Service Marketing Management**	4	
	MGMT6238	Service Management Fundamental	4	
4	CHAR6015	Character Building: Agama	2	24
	FINC6001	Financial Management	4	
	ENTR6004	Entrepreneurship II	2	
	MGMT6239	Service Operation Management	2	
	TRSM6099	Hospitality & Service Excellent	2	
	MGMT6012	Human Resources Management	4	
	STAT8068	Business Statistics II	2/2	
	BUSS6051	Design Thinking in Business	4	
5	RSCH6026	Research Methodology	4	20
	PSYC6150	Industrial and Organization Psychology**	4	
	ISYS6196	Business Analytics*	2	
	MGMT6038	Cross Cultural Management	2	
	COMM8006	Business Communication	2	
	BUSS6088	Current Issue in Business and Technology	2	
	MKTG6021	Customer Relationship Management	2	
	MGMT7247	Strategic Management Fundamental	2	
6	Enrichment Program I		15	15
7	Enrichment Program II		16	16
8	MGMT6017	Thesis	6	6
TOTAL CREDIT 146 SCU				

*) This course is delivered in English

**) Entrepreneurship Embedded

English University Courses:

-) For 1st Semester: English University Courses I, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English in Focus, and student with score test greater than or equal to 500 will take English for Business Presentation

-) For 2nd Semester: English University Courses II, student with score BINUS UNIVERSITY English Proficiency Test less than 500 will take English Savvy, and student with score test greater than or equal to 500 will take English for Written Business Communication

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of enrichment program tracks (off campus). See enrichment appendix for the tracks detail.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	IN	RS	EN	CD	SA	etc	IN	RS	EN	CD	SA	etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	
6		v					v					
7		v						v				
8		v							v			
9		v								v		
10		v									v	
11			v				v					
12			v					v				
13			v						v			
14			v							v		
15			v								v	
16				v			v					
17				v				v				
18				v					v			
19				v						v		
20					v		v					
21					v			v				
22					v				v			
23					v					v		
24					v						v	

Notes:

IN : Internship
 RS : Research
 EN : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 etc : Study Program Special Purposes

Notes:

Student will take one of enrichment program tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
MGMT6240	Experience in Industry	8	
MGMT6241	Industrial Business Service Practice	4	
MGMT6153	Entrepreneurial and Industrial Business Development	3	
Enrichment Program II			16
MGMT6243	Professional Program in Industry	8	
MGMT6244	Professional Practice in Business Service	4	
MGMT6172	Entrepreneurial and Industrial Business Development	4	

Enrichment Entrepreneurship Track

Enrichment Entrepreneurship Track			
Code	Course Name	SCU	Total
Enrichment Program I: For students who only take Entrepreneurship track in semester 6, should take these courses:			15
ENTR6285	Business Start Up	8	
ENTR6276	Business Model & Validation	2	
ENTR6277	Launching New Venture	2	
ENTR6248	Entrepreneurship and Managing New Business	3	
For students who take Entrepreneurship track in semester 6 and 7, should take these courses:			
Enrichment Program I			
ENTR6285	Business Start Up	8	
ENTR6276	Business Model & Validation	2	
ENTR6277	Launching New Venture	2	
ENTR6248	Entrepreneurship and Managing New Business	3	
Enrichment Program II			16
ENTR6278	Growing a Business	8	
ENTR6279	Lean Start Up & Business Plan	2	
ENTR6280	Venture Capital	2	
ENTR6250	Entrepreneurship and Managing the Business Operation	4	
Enrichment Program II: For students who only take Entrepreneurship track in semester 7, should take these courses:			
ENTR6285	Business Start Up	8	
ENTR6276	Business Model & Validation	2	
ENTR6277	Launching New Venture	2	
ENTR6249	Entrepreneurship and Managing New Business	4	

Enrichment Research

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6370	Research for Business Management	8	
RSCH6371	Scientific Writing in Business Management	4	
RSCH6372	Global Entrepreneurship and Business Development	3	
Enrichment Program II			16
RSCH6373	Research for Industrial Competition	8	
RSCH6374	Scientific Writing in Management Research	4	
RSCH6375	Global Entrepreneurship and Industrial Competition	4	

Enrichment Community Development

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6120	Community Outreach Project Implementation	8	
CMDV6091	Community Outreach Project Design in Management	4	
CMDV6092	Socio Entrepreneurship Development	3	
Enrichment Program II			16
CMDV6117	Community Development Project Implementation	8	
CMDV6093	Community Development Project Design in Management	4	
CMDV6094	Managing Socio Entrepreneurship	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
Elective courses list for study abroad*			15
Enrichment Program I			
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

Code	Course Name	SCU	Total
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

*) Transferred courses will be transferred based on credit transfer policies on study program with total of 15 credits for Enrichment Program I and 16 credits for Enrichment Program II.

The Table of Prerequisite for Business Management (S1)

Course		SCU	Sem.	Prerequisite Course		SCU	Sem.
MGMT6238	Service Management Fundamental	4	3	MGMT6011	Introduction to Management and Business	4	1
MGMT6017	Thesis	6	8	RSCH6026	Research Methodology	4	5

Student should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	ECON6005	Microeconomics	C
4.	MKTG8005	Marketing Management	C
5.	ISYS6181	Management Information Systems for Leader	C
6.	MGMT6012	Human Resources Management*	C
7.	MGMT6238	Service Management Fundamental	C
8.	MGMT6239	Service Operations Management	C

*) Tutorial & Multipaper

5.1.7 Course Descriptions

SUBJECT AREA: ACCT

ACCT6049 – MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the role of management accountants in an organization; Compute cost classifications, cost behavior, and cost volume profit relationship; Compute variable costing, Activity-Based Costing, master budget, and flexible budgets; Prepare the balance Score card, pricing products, transfer pricing, and profitability analysis; Appraise strategic business through planning and decision support.

Topics: Managerial Accounting and the Business Environment; Cost Concepts; Cost-Behavior: Analysis and Use; Cost-Volume-Profit Relationships; Absorption Costing and Variable Costing; Activity-Based Costing: A Tool to Aid Decision Making; Master Budgeting; Flexible Budgets and Performance Analysis; Differential Analysis: The Key to Decision Making; The Balance Scorecard; Transfer Pricing; Pricing Products and Services; Profitability Analysis.

ACCT6087 – INTRODUCTION TO ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the accounting concepts and principles as a basis in the preparation of financial statements, and the stages in the accounting cycle; Explain the operations of merchandising company and the accounting cycle for merchandising company; Explain the concept and methods relating to inventories, cash, accounts receivable, plant assets, liabilities, and equity of a company; Analyze the company's financial condition by using the information in cash flow statement; Analyze the information stated in the financial statement.

Topics: Accounting in Action; The Recording Process; Adjusting the Accounts; Completing the Accounting Cycle; Accounting for Merchandising Operation; Inventories; Fraud, Internal Control, and Cash; Accounting for Receivables; Plant Assets, Natural Resources, and Intangible Assets; Liabilities; Corporations: Organization, Share Transactions, Dividends, and Retained Earnings; Statement of Cash Flows; Financial Statement Analysis.

ACCT6105 – MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Appraise the role of management accountants in an organization; Identify manufacturing cost, non manufacturing cost, and classify service department cost to other operating departments/units using the cost behavior concept; Calculate the break-even-point and use Activity-based costing techniques to compute unit product cost; Prepare job order cost sheet, cost of production report, and financial budget for organization; Construct balance score card and analyse the most profitable use of a constrained resource and the value of obtaining more of the constrained resource; Interpret the model of management accounting in strategic decision making.

Topics: Managerial Accounting and the Business Environment; Managerial Accounting and Cost Concepts; Cost-Behavior: Analysis and Use; Cost-Volume-Profit Relationships; Variable Costing: A Tool for Management; Cost Allocation; Activity-Based Costing: A Tool to Aid Decision Making; Systems Design: Job-Order Costing; Systems Design: Process Costing; Profit Planning; Flexible Budgets and Performance Analysis; Segment Reporting, Decentralization, and the Balanced Scorecard; Relevant Costs for Decision Making.

SUBJECT AREA: BUSS

BUSS6011 – MARKET ENTRY STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the strategies and cases of market entry; Explain the procedures and practices in market entry cases; Analyze procedures and strategies in new market business.

Topics: The decision whether to internationalize; The decision whether to internationalize-2; Initiation of internationalization; Initiation of internationalization-2; Internationalization theories; Internationalization theories-2; Development of the firm's international competitiveness; Development of the firm's international competitiveness-2; Market Entry Strategies Case Studies (case study I.1 & case study I.2); Market Entry Strategies Case Studies (case study I.3 & case study I.4); Deciding which markets to enter; Deciding which markets to enter-2; The political and economic environment; The political and economic environment-2; The sociocultural environment; The sociocultural environment-2; The international market selection process; The international market selection process-2; Some approaches to the choice of entry mode; Export Mode; Intermediate Entry Modes; Intermediate Entry Modes_2; Hierarchical modes; International sourcing decisions and the role of the subsupplier; Market Entry Strategies Case Studies (case study III.1 & case study III.2); Market Entry Strategies Case Study (case study III.3 & case study III.4).

BUSS6012 – INTERNATIONAL BUSINESS PROJECT I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain and create the concepts and environment of international business project; Define the business model and the business process and propose a project for a company; Analyze the markets and customers demand through Information Communication Technology (ICT) implementation in international business project; Appraise risk, quality, and sustainability of international business project.

Topics: Introduction to International Business Project Management; The Business Market Segment; Integration and Scope of International Business Project; Ideation in the Business Field; Visual Thinking (Visualization of the Business Idea); Financial and Budget Management of International Business Project; Market Analysis and Portfolio Management; Resource and Procurement Management of International Business Project; Prototyping the Business; Storytelling; Creating Scenarios; International Business Project Organization; Project Evaluation, Control and Termination.

BUSS6013 – INTERNATIONAL BUSINESS PROJECT II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Illustrate business project's process, problems, and management; Design business project's process and systems in company; Apply on how to create a successful business enterprises; Construct the business plan and evaluate the business model.

Topics: Strategy, Value-Chains and Competitive Advantage; Understanding The Enterprise; Process Architecture and Organizational Alignment; Creating Customer Profiles; Who are Our Next 10 Customers?; High Specifications in the Business; An Executive Level BPM Group; Quantifying the Value Propositions in the Business; Where is Your Positions? (Chart Competitive Position); Designing Business Model of the Business; The BPTrends Redesign Methodology; The Ergonomic Systems; ERP-Driven Redesign.

BUSS6031 – INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain: The ability to appraise the exposure to the global world of international Business in which they have expressed an interest; The ability to apply the knowledge and skills they have acquired in real working environment; An opportunity to enhance students academic education though real world experience.

Topics: Activity Reports; Written Research Paper; Academic Major Integration; Performance Evaluation; Time Sheet Matrix.

BUSS6032 – INTERNATIONAL BUSINESS IN INDUSTRY (2 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain: The ability to Develop a comprehensive and strategic overview of a global industry; The ability to integrate analytical competencies from a strategic, operational and technological perspective; The ability to assess the national competitiveness of an industry in a global context.

Topics: International Business Segmentation; Trends in International Business Demand; International Business Suppliers; Innovation Business Patterns; Trends in International Supply; Attractiveness Evaluation; Structural Return; Product-Market Strategies; Vertical Integration Strategies; Internationalization Strategie; Future Outlook.

BUSS6033 – GLOBAL STRATEGY IN INDUSTRY (2 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain: The ability to develop international business strategy formulation in industry; The ability to calculate gains from trade, costs of trade, and the competitive strategy of the international business in industry; The ability to analyze alternative modes of market entry, including import and export through intermediaries, contracting with suppliers and distributors, strategic alliances and foreign direct investment (FDI) in industry; The ability to apply the principles of multinational business management and strategy in industry.

Topics: Industrial Strategy in International Business; Strategies for Global Competitiveness; The Industrial Analysis of Home Country Features; The Industrial Analysis of Supplier Country and Partner Country Feature; The Industrial Analysis of Customer Country and Competitor Country Features.

BUSS6035 – PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain: The ability to appraise close connection between studying and professional practice; The ability to apply the know-how on the basis of knowledge gained through the field experience; The ability to apply the practical experience on the basis of knowledge gained through domestic or abroad internship program.

Topics: Activity Reports; Written Research Paper; Academic Major Integration; Performance Evaluation; Time Sheet Matrix.

BUSS6036 – INTERNATIONAL TRADE IN INDUSTRY (2 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain: The ability to explain the underlying forces of competition in industries; The ability to apply the know-how in capturing the richness and heterogeneity of industries and companies; The ability to apply the know-how in making actual choices in real markets.

Topics: Industry Definition; Industry Forecasting; Industry Instability; Industry Evolution; Competitive Strategy in Fragmented Industries; Problems Constraining Industry Development; Industry Transition; Evolution in Global Industries.

BUSS6037 – MANAGEMENT INFORMATION SYSTEM APPLICATION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students obtain working experience in the real field work to generalize and applied the Information System.

Topics: Problem Solving Skill; Interpersonal Skills.

BUSS6038 – CAPACITY BUILDING IN PROFESSIONAL EXPERIENCE (4 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to enhance the soft skills.

Topics: Team Work, Problem Solving, Interpersonal Skill.

BUSS6039 – INTERNSHIP (8 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain: The ability to appraise the exposure to the global world of international Business in which they have expressed an interest; The ability to apply the knowledge and skills they have acquired in real working environment; An opportunity to enhance students academic education though real world experience.

Topics: Activity Reports; Written Research Paper; Academic Major Integration; Performance Evaluation; Time Sheet Matrix.

BUSS6042 – CAPACITY BUILDING IN INDUSTRIAL EXPERIENCE (4 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team Work, Problem Solving, Interpersonal Skill.

BUSS6051 – DESIGN THINKING IN BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the design thinking principles; Explain the importance of design thinking in business; Apply design thinking in a new business concept, product concept and the business model.

Topics: Introduction to Design Thinking; The Role of Research in Design Thinking; How to Gain Insight to discover the needs and wants of the customer through Research; Designing a Business Strategy; Designing Life Customer Experiences; Designing Digital Customer Experiences; Designing Services and Service Delivery; Designing a Marketing Plan; Designing Marketing; Designing for Change; Designing for Growth; Project Presentation.

BUSS6066 – BUSINESS ETHICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain theories, perspectives related and issues related to business ethics in both local and international contexts; Explain the framework, implementation, mapping, and challenges of business ethics and corporate social responsibility (CSR); Analyze the roles of ethics and social responsibility in overall company's business strategy; Explain the elements of good corporate governance (GCG) and analyse its implementations, impacts, and challenges in an organization.

Topics: Perspective on business ethics and value; Ethical issues in business; Stakeholder and issues management; Ethical principles; Individual responses to ethical situations; The corporation and external stakeholder; Corporate governance, and organisation's external accountability; Corporate Social Responsibility.

BUSS6068 – MANAGING INNOVATION AND KNOWLEDGE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic concept of innovation and knowledge management, capture and codification; Discuss principles of innovation and knowledge sharing, application, management tools, strategy and the value of innovation and knowledge management; Hypothesize the strategy and implementation of innovation and knowledge management.

Topics: Innovation as New Business Paradigm; Market Adoption and Technology Diffusion; Managing Innovation within Firms; Operation and Process Innovation; Managing Intellectual Property; Managing Organizational Knowledge; Strategic Alliances and Network; Managing Research and Development; Open Innovation and Technology Transfer; Business Models

in New Product Development; Product and Brand Development; Product and New Product Development Management; Service Innovation Management.

BUSS6077 - CAPACITY BUILDING IN INDUSTRIAL EXPERIENCE (3 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team Work, Problem Solving, Interpersonal Skill.

BUSS6109 – BUSINESS DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the business environment; Illustrate starting and structuring a business; Illustrate managing a business and employees; Explain principles of marketing and finance; Define the business model and explain the defined business model.

Topics: Business Management and Organization; Small Business and the Entrepreneur; Business Basics; Economics and Banking; Ethics in Business; Business in a Global Economy; Market Segmentation; Ideation; Forms of Business Ownership; Motivation, Leadership, and Teamwork; Visual Thinking; Human Resource Management; Online Business and Technology; Production, Operations, and Supply Chain Management; Marketing and Consumer Behavior; Product Development, Branding, and Pricing Strategies; Prototyping; Promotion and Distribution; Financing and Accounting for Business Operations; Storytelling; Creating Scenarios; Investment Opportunities in the Securities Market.

BUSS7001 – INTERNATIONAL BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic terms and concepts that are commonly used in the study of international business; Discover the different cultural, political, legal, economic, and society forces in the international environment and their impact on international business; Apply the appropriate cross-national cooperation and agreements, and exchange rates mechanism for ensuring effective control and decision-making in international business; Apply the appropriate evaluation, selection and strategies that a company may implement as it ventures into international business operations; Analyze the various operational or functional issues of international business operations with respect to international organization, and human resource management.

Topics: An Overview of International Business and Globalization Chap 1; Culture; Governmental and Legal System; The Economic System and Market Methods; Economic Integration and Cooperation; Market for Foreign Exchange; Ethics and Social Responsibility; Strategies for International Business; Evaluation of Countries for Operation; Modes of Trading Internationally; Form and Ownership of Foreign Production; The Organization and Governance of Foreign Operation; Global Management of Human Resources.

BUSS7005 – INTERNATIONAL TRADE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain principal and supporting theories in international trade; Apply theoretical models of international trade in analysing real-world trade problems through qualitative and quantitative analysis; Apply theoretical models of international trade in implementing trade policies through qualitative and quantitative analysis.

Topics: Introduction ; What is international economics about?; International Trade : Patterns of Trade; World Trade: An Overview - Who Trades with Whom?; World Trade: An Overview - What Do We Trade?; Labor Productivity and Comparative Advantage: The Ricardian Model-1; Labor Productivity and Comparative Advantage: The Ricardian Model-2; Specific Factors and Income Distribution : Introduction; Specific Factors and Income Distribution : International Labor Mobility; Resources and Trade: The Heckscher-Ohlin Model : Introduction; Resources and Trade: The Heckscher-Ohlin Model : Resources and Output; The Standard Trade Model : Preview; The Standard Trade Model : The Welfare Effects of Changes in the Terms of Trade; The Standard Trade Model : Import Tariffs and Export Subsidies; The Standard Trade Model : International Borrowing and Lending; External Economies of Scale and the International Location of Production-1; External Economies of Scale and the International Location of Production-2; Firms in the Global Economy: Export Decisions, Outsourcing, & MNE-1; Firms in the Global Economy: Export Decisions, Outsourcing, & MNE-2; Firms in the Global Economy: Export Decisions, Outsourcing, & MNE-3; Firms in the Global Economy: Export Decisions, Outsourcing, & MNE-4; The Instruments of Trade Policy: Preview; The Instruments of Trade Policy: Import Quota; The Political Economy of Trade Policy : Preview; The Political Economy of Trade Policy : Median Voter; Trade Policy in Developing Countries : Developing countries; Trade Policy in Developing Countries : Trade Liberalization.

BUSS7006 – EXPORT-IMPORT MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the strategies and cases of export import business; Explain the procedures and practices in export import case; Analyze procedures and strategies in export import business.

Topics: Foreign Trade-Institutional Framework and Basic; Export-Import-Documentation and Steps; Methods and Instrument of Payment and Pricing Incoterm; Export-Import Strategies and Practice; Export Marketing; Methods of Financing Exporters; Business Risk Management and Coverage; Custom Clearance of Import and Export Cargo; Logistic and Characteristic of Modes of Transportation; Characteristic of Shipping Industry; World Shipping; Containerization and Leasing Practices; Export Procedures and Documents; Information Technology and International Business; How to Set Your Own Import/Export Business.

BUSS7008 – EXPORT-IMPORT DOCUMENTATION & STANDARDIZATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the organization of export and import operations; Explain the procedures and documentation of export and import business; Apply the export and import business compliance.

Topics: Organizing for export import operations; Exporting: Preliminary considerations; Exporting: Sales Documentation; Exporting: Ongoing sales transactions; Exporting: Export distributors and sales agents agreements; Exporting: Other export documentation; Export control and licenses; Importing: Preliminary considerations; Importing: Purchase Documentation; Business Contract (GUEST LECTURER); Importing: Ongoing purchase transactions; Import distributors and sales agent agreements; Import process and documentation.

BUSS7009 – EXPORT-IMPORT COST MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Illustrate the payment system of export and import operations; Calculate the cost of export and import in business; Analyze the strategy of pricing in export and import business.

Topics: Export-Import Payment System: L/C; Export-Import Payment System: Non L/C; Lecture by Guest Lecturer (Export Financing System); Import Financing System; Pricing in International Trade: External Forces & Approaches; Pricing in International Trade: Cost per unit; Incoterms: Group E & F; Incoterms: Group C & D; The Element of Export Cost; The Element of Import Cost; Export-Import Calculation I; Export-Import Calculation II; Export-Import Calculation III.

SUBJECT AREA: CHAR

CHAR6013 – CHARACTER BUILDING: PANCASILA (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain Pancasila as the basic, state ideology, and system of philosophy and ethics; Apply the values of Pancasila in actions concern; Analyze the ethical issues related to the development of science and technology; Analyze the issues of tolerance and diversity; Analyze the problems of democratic leadership and social justice.

Topics: Introduction: Pancasila as the Source of Character Education; Pancasila as the State Ideology; Pancasila in Indonesia Nation History Studies; Pancasila as the Ethical Basic in Developing Science and Technology; Faith in God; Tolerance and Cooperation Among the Religious; Justice and Civilized Humanity; Human Rights; Multiculturalism; Cultures Interaction; Democratic Leadership; Pancasila Democracy; Social Justice.

CHAR6014 – CHARACTER BUILDING: KEWARGANEGARAAN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the meaning of citizens; Explain the meaning of social values and norms; Explain the meaning of constitution, rights and obligation of citizen; Analyze the relation of Archipelago, Diversity and national integration; Describe the challenges of globalization on national resilience, national identity and nationalism; Describe how to participate in global community.

Topics: Introduction to Civics Education; The Others as Fellow Citizens; Social Values and Norms; State and Constitution; The Rights of Citizens; The Archipelago of Indonesia; Diversity and Social Conflict; Local Autonomy; National Integration; National Resilience; National Identity of Indonesia; Nationalism; Participation in Global Citizen.

CHAR6015 – CHARACTER BUILDING: AGAMA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the nature of religions; Explain the roles of religions for the world peace; Explain the consciousness of human; Analyze the influence of secularism to the religion; Describe the meaning of rituals of religion; Apply the values of religion in the daily life.

Topics: Introduction to CB Religion; The Religion in General; Recognizing God Based on the Holy Scriptures; Recognizing God by Nature; Recognizing God by Human Being; The Role of Religion for World Peace; Criticism to the Religious Formalism; Conscience; Religion and Secularism; Religious Rituals; Being humble and Forgiving; Being a Religious Person; The Religious Meaning of Work.

SUBJECT AREA: CMDV**CMDV6067 – COMMUNITY DEVELOPMENT PROJECT FOR MANAGEMENT (4 Credits)**

Learning Outcomes: After completing this course, students are expected to be able to develop a project or work that must be completed by applying the Management theories gained during the lecturing. Project or work that has been designed must be implemented in real world for development and progress of society or communities

Topics: In line with Management programs as well as the needs of the society / community and adapt to the mission of the institutions.

CMDV6068 – CAPACITY BUILDING IN MANAGING COMMUNITY (4 Credits)

Learning Outcomes: After completing this course, students are expected to apply soft skills in the real world that can be a reflection for their development. The goal of this implementation is to be able to apply Employability and Entrepreneurial Skills in managing and empowering the society or community.

Topics: The 6 key soft skills (Communication, Self-development, Team work, Problem Solving and Decision Making, Planning and Organizing Initiative and Enterprise), Numerical literacy, English proficiency and ICT Skills.

CMDV6069 – CAPACITY BUILDING IN COMMUNITY DEVELOPMENT (4 Credits)

Learning Outcomes: After completing this course, students are expected to apply soft skills in the real world that can be a reflection for their development. The goal of this implementation is to be able to apply Employability and Entrepreneurial Skills in developing the society or community.

Topics: 6 key soft skills (Communication, Self-development, Team work, Problem Solving and Decision Making, Planning and Organizing Initiative and Enterprise), Numerical literacy, English proficiency and ICT Skills.

CMDV6106 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN COMMUNITY DEVELOPMENT (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Practice soft skill in implementing community development.

Topics: Team Work, Communication, Problem Solving & Decision Making, Self-Management, Planning & Organizing.

CMDV6107 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN MANAGING COMMUNITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Practice soft skill in managing community.

Topics: Team Work, Communication, Problem Solving & Decision Making, Self-Management, Planning & Organizing.

CMDV6109 – COMMUNITY OUTREACH PROJECT DESIGN IN INTERNATIONAL MARKETING FIELD (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design a feasible community outreach project by applying marketing theories in order to promote community welfare.

Topics: Based on needs of the community that related to students' competencies in marketing.

CMDV6110 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: In this course the students are expected to apply directly the theory acquired during study in University to the real world, by completing a project as the part of their job descriptions. In addition, it is expected that students will get real work experience in order to improve their hard skill, as well as the soft skill. The experience gained is expected to be used to help the progress and life of quality development in society and communities.

Topics: In accordance with the individual student programs as well as the needs of the society / community and adapt to the mission of the institutions.

CMDV6111 – COMMUNITY DEVELOPMENT PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: After completing this course, students are expected to get real work experience, where the student can apply the theory directly in the course during lecturing through the development of a project or task or new project or new task. The ultimate goal is for the development and progress of society or community.

Topics: Based on the needs of the society or community and the student competence (according to student majors).

CMDV6112 – COMMUNITY DEVELOPMENT PROJECT DESIGN (4 Credits)

Learning Outcomes: After completing this course, students are able to design the development of a project or job or new project / new job, that must be completed by applying the theories gained during the lecturing. Project or work that has been designed should be implemented in the real world for the development and progress of society or communities.

Topics: Based on the needs of the society or community and the student competence (according to student majors).

CMDV6113 – COMMUNITY DEVELOPMENT PROJECT DESIGN IN INTERNATIONAL MARKETING FIELD (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design a feasible community development project by applying marketing theories in order to promote community welfare.

Topics: Based on needs of the community that related to students' competencies in marketing.

CMDV6114 – COMMUNITY OUTREACH PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Implementing a feasible community outreach project by applying marketing theories in order to promote community welfare.

Topics: Based on needs of the community that related to students' competencies in marketing.

CMDV6115 – COMMUNITY DEVELOPMENT PROJECT IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Obtain real experience in implementing a feasible community outreach project by applying marketing theories in order to promote community welfare.

Topics: Based on needs of the community that related to students' competencies in.

CMDV6168 - CAPACITY BUILDING IN COMMUNITY DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply soft skills in the real world that can be a reflection for students for their development.

Topics: Team work; problem solving and decision making; communication; self management; planning and organizing.

SUBJECT AREA: COMM**COMM6128 – BUSINESS COMMUNICATION (2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Explain building block for effective messages and creating goodwill in business communication; Create letters, memos, web writing; Demonstrate some basic concepts and processes in interpersonal communication; Analyze business research, writing research reports, conduct a visual presentation of research results, and job hunting.

Topics: Building Blocks for Effective Messages (1); Building Blocks for Effective Messages (2); Creating Goodwill; Letters, Memos, Email, and Web Writing (1); Letters, Memos, Email, and Web Writing (2); Polishing Your Writing; Interpersonal Communication (1); Interpersonal Communication (2); Interpersonal Communication (3); Research, Reports, and Visuals; Job Hunting (1); Job Hunting (2); Presentation.

COMM8006 – BUSINESS COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Illustrate building block for effective messages and creating goodwill in business communication; Give examples of how to create letters, memos, web writing and to polish them writing; Demonstrate some basic concepts and processes in interpersonal communication; Analyze business research, writing research reports, conduct a visual presentation of research results, and job hunting.

Topics: Building Blocks for Effective Messages; Creating Goodwill; Letters, Memos, Email, and Web Writing; Polishing Your Writing; Interpersonal Communication; Research, Reports, and Visuals; Job Hunting; Presentation.

SUBJECT AREA: COMP**COMP6203 – OFFICE FOR PROFESSIONAL (2 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Organize a large volume of data across multiple worksheets or pages of information in the file; Analyze a name to a section of data on a worksheet to use the name in a formula; Apply formula and number format; Translate data into a meaningful image by creating a chart in Excel; Manage and sort lists that combine text and numerical values.

Topics: Getting Started with Excel 1; Getting Started with Excel 2; Introducing Formulas and Functions; Working With Formulas and Functions; Creating Formulas that Look Up Values; Getting Started Making Charts; Working with Database Tables in Excel; Using Advanced Excel Features; Analyzing Data with PivotTables; Review.

SUBJECT AREA: ECON

ECON6005 – MICROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify themes of microeconomics and market; Explain producers, consumer and competitive markets; Differentiate structure conduct and performance market; Calculate production, cost production and equilibrium market; Analyze case according of subject microeconomics theory.

Topics: Introduction to Themes of Microeconomics; The Basic of Supply and Demand; Consumer Behavior; Individual and market demand; Uncertainty and consumer behavior; Production; The cost of production; Profit Maximization; The Analysis of competitive markets; Market Power on Monopoly; Market Power on Monopsony; Pricing with Market Power; Monopolistic and oligopoly competition; Game Theory and Competitive Strategy; Market for factor Inputs; General Equilibrium and Economic Efficiency; Investment, time, and capital markets; Markets with asymmetric information; Externalities and public goods.

ECON6006 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analyze Economic Problem; Calculate Measuring GDP and economic growth as monitoring macroeconomic performance; Combine macroeconomic trends; Estimate macroeconomic Policy; Analyze Macroeconomic fluctuations.

Topics: Thinking like an economist; Ten Principles of Economics; Measuring a Nation's income; Production and Growth; Unemployment and Its Natural Rate; Measuring the cost of living; Production; Growth; Saving, Investment and the Financial System; The basic tools of finance; The Monetary System; Macroeconomic trends : The Exchange Rate and the Balance of Payments; Money Growth and Inflation; Aggregate Supply and Aggregate Demand; The Influence of monetary and fiscal policy on Aggregate Demand; Macroeconomic fluctuations : Expenditure Multipliers: The Keynesian Model; The Short-Run tradeoff between inflation and unemployment; Macroeconomic fluctuations : Business Cycle; Macroeconomic Policy : Fiscal Policy; The Supply Side of Fiscal Policy; Macroeconomic Policy : Monetary Policy; Extraordinary monetary stimulus; Macroeconomic Policy; Open-Economy Macroeconomics : Basic Concepts.

ECON6014 – MICROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain themes of microeconomics and market, Consumer Behaviour; Calculate the problems of elasticity, market demand, Uncertainty, Production and Cost, Profit Maximization in Perfectly competitive markets, Investment and risk; Analyze problems of efficiency in competitive markets, power on Monopoly, market Power on Monopsony, Monopolistic, Oligopoly; Estimate problems of Pricing with Market Power, Inter temporal price, Game Theory and Competitive Strategy, Market for factor Inputs, General Equilibrium and Economic Efficiency, Investment in human capital market, Markets with asymmetric information and externality.

Topics: Introduction to Themes of Microeconomics; Elasticity; Consumer Behaviour; Market demand; Uncertainty; Production; Measuring cost of production; The cost of production; Profit Maximization; Profit Maximization in Perfectly competitive markets; The Analysis of competitive markets; The Analysis of competitive markets efficiency competitive markets; The Analysis of power on Monopoly; The Analysis of market Power on Monopsony; Pricing with Market Power; Pricing with Intertemporal price; The Analysis of Monopolistic competition; Oligopoly competition; Game Theory and Competitive Strategy; Market for factor Inputs; General Equilibrium; Economic Efficiency; Investment and risk; Investment in human capital market; Markets with asymmetric information; Externalities and public goods.

ECON6015 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Ten Principles of Economics, Thinking Like an Economist, Interdependence and the Gains from Trade; Calculate International Trade, Elasticity, Consumers, Producers, and the Efficiency of Markets, The Costs of Taxation, a Nation's Income, the Cost of Living; Combine earning and discrimination, income and growth, production and growth; Analyze the monetary and Fiscal tools, monetary and fiscal policy, and open-economy macroeconomics; Estimate demand and supply, debates over macroeconomics policy

Topics: Open-Economy Macroeconomics: Basic Concepts; Demand and Aggregate Supply; Thinking Like an Economist; Interdependence and the Gains from Trade; Application: International Trade; The Market Forces of Supply and Demand; Supply, Demand, and Government Policies; Elasticity; Elasticity and Its Application; Consumers, Producers, and the Efficiency of Markets; Applications: The Costs of Taxation; Measuring a Nation's Income; Measuring the Cost of Living; Earnings and Discrimination; Income Inequality and Poverty; Production and Growth; Saving, Investment and the Financial; The Basic Tools of Finance; The Monetary System; The Influence of Monetary and Fiscal Policy on Aggregate Demand; Open-Economy Macroeconomics: Basic Concepts; Unemployment; The Short-run Trade-off Between Inflation and Unemployment; Ten Principles of Economics; Six Debates over Macroeconomic Policy.

ECON6016 – MANAGERIAL ECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the fundamental of economic managerial and the elasticity of demand and supply which relates to total revenue; Calculate the profit – maximizing price and output; Analyze The condition for contestable, ramifications for market power and the sustainability of long-run profits; Manage why networks often lead to first-mover advantages and how to use strategies such as penetration pricing to favorably change the strategic environment.

Topics: The fundamental of managerial economics; Market forces: Demand and Supply; Quantitative Elasticity from Demand Analysis in managerial; Quantitative demand analysis for decision making relate to consumer behavior using Regression and PLS Analysis; Quantitative demand analysis in evaluation for decision strategic making using SWOT analysis; Mini pilot project of quantitative demand analysis for decision making; The function of theory individual behavior in managerial decision as application of Indifference curve analysis; The function of theory individual behavior in managerial decision, which Consumer Behavior application; The production process analysis in organization of the firm; The cost analysis in organization of the firm; Evaluation of the market structure, market conduct and market performance of firm in industry; Evaluation of the paradigm of structure-conduct and performance a firm in industry; Strategic managing of perfect competitive market; Case study of strategic managing of perfect competitive market; Strategic managing monopoly market; Case study of strategic managing monopoly market; Strategic managing Monopolistic competition markets; Case study of strategic managing monopolistic competition markets; Strategic managing oligopoly model; Game theory in strategic managing oligopoly model; Market power in basic pricing strategies and Pricing strategies for special cost and demand structures for firms; Market power in pricing strategies in markets with intense price competition that yield even greater profits; Evaluation of the economics benefit of information; Uncertainty in information influence to consumer behavior in the market; Evaluation of advanced topics in business strategy; Case of study in business strategy a firm in market industry.

ECON6037 – MICROECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the principles economics and thinking like economist and the market forces of supply and demand; Calculate elasticity, market efficiency, costs and production, and also consumer behavior; Analyze externalities and the theory of consumer choice.

Topics: Ten Principles of Economics; Thinking link like Economist; The Market Forces of Supply and Demand; Elasticity and Its Application; Consumers, Producers and Efficiency of Markets; Externalities; The Cost of Production; Firms in Competitive Markets; Monopoly; Monopolistic Competition; Oligopoly; The Markets for The Factors of Production; The Theory of Consumer Choice.

ECON6038 – MACROECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define why household, business, government determine the aggregate demand and aggregate supply for goods and services; Explain the implications of interference in a market economy; Explain factors that contribute to and detract from long-term economic growth; Explain the interaction between the domestic economy and the rest of the world.

Topics: Introduction to Macroeconomics; Monitoring Macroeconomic Performance: Measuring GDP and Economic Growth; Monitoring Macroeconomic Performance: Monitoring Jobs and Inflation; Macroeconomic Trends: Economic Growth; Macroeconomic Trends: Finance, Saving, and Investment; Macroeconomic Trends: Money, the Price Level and Inflation; Macroeconomic Trends: The Exchange Rate and the Balance of Payment; Macroeconomic fluctuations: Aggregate Supply and Aggregate Demand; Macroeconomic fluctuations: Expenditure Multiplier: The Keynesian Model; Macroeconomic fluctuations: Inflation, Unemployment and Business Cycle; Macroeconomic Policy: Fiscal Policy; Macroeconomic Policy: Monetary Policy; Macroeconomic Policy: International Trade Policy.

ECON8009 – MANAGERIAL ECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the problem of Nature and Scope of Managerial Economics, Economic Optimization, and also Demand- Supply; Calculate the elements of the problem Demand Analysis and it's Estimation, Production and Cost Analysis, Performance and Strategy in Perfect market and imperfect competition market; Analyze the problem of Forecasting and Case study of forecasting in real life, Compensation Policy, Linear Programming, Game Theory, Pricing Practices , Risk Analysis, Capital Budgeting, Organization Structure; Estimate the problem of Corporate Governance and Government in the Market Economy.

Topics: Nature and Scope of Managerial Economics And Project 1 (Case Study); Economic Optimization; Demand and Supply; Demand Analysis; Demand Estimation; Forecasting and Case study of forecasting in real life; Production Analysis; Compensation Policy; Cost Analysis and Estimation; Linear Programming; Competitive Markets; Performance and Strategy in Competitive Markets; Perfect Market: Monopoly; Imperfect Competition Monopsony; Monopolistic as imperfect competition; Oligopoly Competition as imperfect market and project 2 (Problem Solving at Company); Game Theory; Game Theory and Competitive Strategy; Pricing Practices; Case study of pricing practices; Risk Analysis; Capital Budgeting;

Organization Structure; Corporate Governance; Externalities in the Market Economy; Optimal Allocation of Social Resources by Government in the Market Economy.

SUBJECT AREA: ENGL

ENGL6128 – ENGLISH IN FOCUS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate the Lower-intermediate-level Academic English Listening skills of Basic Comprehension, Pragmatic Understanding, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 14 of scale 30); Demonstrate the Lower-intermediate-level Academic English Reading skills in Finding Information, Basic Comprehension, and Reading to Learn (a minimum of iBT TOEFL Reading scaled score of 14 of scale 30); Demonstrate the Lower-intermediate-level Business English speaking skills in terms of Delivery, Clarity and Appropriacy (a minimum of BINUS English Speaking scaled score of 13 of scale 30); Demonstrate the Lower-intermediate-level Academic English writing skills in terms of Introduction, Middle and Conclusion (a minimum of BINUS English Writing scaled score of 14 of scale 30).

Topics: Course Overview & Error Correction; Basic Comprehension & Travel; Error Correction & Vocabulary/Reference; Vocabulary/Reference; Basic Comprehension & Trade; Error Correction & Pragmatic Understanding; Pragmatic Understanding & Essay Writing; Pragmatic Understanding & Innovation; Details & Inferences; Error Correction & Details; Error Correction & Advertising; Reading to Learn; Error Correction & Essay Writing.

ENGL6129 – ENGLISH SAVVY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate the Intermediate-level Academic English Listening skills of Basic Comprehension, Pragmatic Understanding, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 15 of scale 30); Demonstrate the Intermediate-level Academic English Reading skills in Finding Information, Basic Comprehension, and Reading to Learn (a minimum of iBT TOEFL Reading scaled score of 15 of scale 30); Demonstrate the Intermediate-level Business English speaking skills in terms of Delivery, Clarity and Appropriacy (a minimum of BINUS English Speaking scaled score of 15 of scale 30); Demonstrate the Intermediate-level Academic English writing skills in terms of Introduction, Middle and Conclusion (a minimum of BINUS English Writing scaled score of 15 of scale 30).

Topics: Course Overview & Error Correction; Basic Comprehension; Error Correction; Vocabulary/Reference; Pragmatic Understanding & International Marketing; Error Connection & Risk; Connecting Information & Essay Writing; Listening Review & e-commerce; Details & Inferences; Error Correction & takeovers/mergers; Error Correction and Crisis Management; Inferences & Reading to learn; Error Correction & Essay Writing.

ENGL6130 – ENGLISH FOR BUSINESS PRESENTATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Design a business English presentation (by using some types of tool); Create their own style of performing a business English presentation; Perform a business presentation fluently.

Topics: Course Overview and Opening; Individual Presentation: Opening & Theory; Individual Presentation: Opening & Body language; The Importance of Hook; Individual Presentation: Middle; Individual Presentation: Middle; Individual Presentation: Closing; Individual Presentation: All content without visual; How to handle Q & A Session; Individual Presentation: All content without visual & Designing elements of presentation; Individual Presentation: All content with visual aids; How to handle Questions and Interruptions; Individual Presentation: All content with visual aids & Final Checklist.

ENGL6131 – ENGLISH FOR WRITTEN BUSINESS COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify routine Business Documents (Letters, Emails, Memos, etc); Compose creative/persuasive Business Documents (Reports, Proposals, Ads, Leaflets, etc); Demonstrate presentations on a Website (leaflet or advertisement about product or services).

Topics: Course Overview of Business Documents; Functions and Types of Business Documents and Business Letters; Business Letters; Composing Effective Email; Introduction to Business Report; Guide to write Business Report; Advertisement and Online Web Overview; Leaflets & Online web Presentation; Letters of Complaints and Apology; Business Plans & Online Web Presentation; Business Proposal & Online web Presentation; Sales letters 1; Sales letters 2.

ENGL6132 - ENGLISH ACCESS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the upper-intermediate-level TOEFL iBT listening skills (a minimum of TOEFL iBT Listening scaled score of 17 of 30); Demonstrate the upper-intermediate-level TOEFL iBT reading skills (a minimum of TOEFL iBT Reading scaled score of 17 of 30); Demonstrate the upper-intermediate-level TOEFL iBT speaking skills (a minimum of TOEFL iBT Speaking scaled score of 19 of 30); Demonstrate the upper-intermediate-level TOEFL iBT writing skills (a minimum of TOEFL iBT Writing scaled score of 17 of 30).

Topics: Program & Skills Overview (Listening, Reading, Speaking & Writing); Basic Comprehension (L) & Independent Tasks (S); Independent & Integrated Tasks (W); Vocabulary & Reference (R) & Integrated Tasks – Reading & Listening (S) – OFC; Basic Comprehension (L) & Independent Tasks - Test (S); Pragmatic Understanding (L) & Independent Tasks - Test (S); Independent Tasks – Test (W); Pragmatic Understanding (L) & Integrated Tasks – Listening (S); Details and Understand Negative Facts (R) & Integrated Tasks – Reading & Listening (S); Connecting Information (L) & Integrated Tasks – Listening (S); Inferences & Reading to learn (R); Writing Test – Integrated Tasks (W).

ENGL6133 - ENGLISH GLOBAL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT listening skills (a minimum of TOEFL iBT Listening scaled score of 19 of 30); Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT reading skills (a minimum of TOEFL iBT Reading scaled score of 19 of 30); Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT speaking skills (a minimum of TOEFL iBT Speaking scaled score of 19 of 30); Demonstrate the upper-intermediate-level to lower-advanced-level TOEFL iBT writing skills (a minimum of TOEFL iBT Writing scaled score of 19 of 30).

Topics: Program & Skills Overview (Listening, Reading, Speaking & Writing); Basic Comprehension (L) & Independent Tasks (S); Independent & Integrated Tasks (W); Vocabulary & Reference (R) & Integrated Tasks – Reading & Listening (S) – OFC; Basic Comprehension (L) & Independent Tasks - Test (S); Pragmatic Understanding (L) & Independent Tasks - Test (S); Independent Tasks – Test (W); Pragmatic Understanding (L) & Integrated Tasks – Listening (S); Details & Understand negative facts (R) & Integrated Tasks – Reading & Listening (S); Connecting Information (L) & Integrated Task – Listening – Test (S); Connecting Information (L) & Integrated Task – Listening – Test (S) – Cont; Inferences (R) & Reading to learn (R) – OFC; Integrated Tasks – Test (W).

SUBJECT AREA: ENTR**ENTR6003 – ENTREPRENEURSHIP I (2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Identify the innovative business ideas; Describe the value proposition of the created business idea; Assess the value proposition of the created business idea.

Topics: Why Entrepreneurship?; Ideation and Market Research; Customer Profile; Value Proposition and Value Proposition Design; Customer Profiling and Value Proposition: Class Workshop; Effective Presentation and Negotiation Skill; Presentation and Negotiation: Class Workshop; Prototyping; Understanding Your Customer; Assessing Our Value Proposition; Business Model Design; Aligning Value Proposition to Business Model; Business Model Design: Class Workshop.

ENTR6004 – ENTREPRENEURSHIP II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create an innovative business model; Generate business strategies to make a sustainable business; Assess the requirement for starting up a business.

Topics: Introduction, Value Propositions, & Customer Segments; Business Model Overview; Channels & Customer Relationship; Marketing; Operational; Key Resources, Key Activities, Key Partnerships; Revenue Streams & Cost Structure; Finance; Prototyping; Business Model Patterns; Investment; Intellectual Property Right; Final Presentation.

ENTR6016 – INTRODUCTION TO ENTREPRENEURSHIP (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the process of successfully launching and growing an entrepreneurial venture, the impact of entrepreneurial firms on economies and societies; Apply the concept of business model and business plan, ethical and legal foundation, intellectual property, marketing issues, financing, franchising; Analyse the entrepreneurial process, business feasibility, industry and competitor, new venture financial strength, challenges of growth.

Topics: Introduction to Entrepreneurship; Recognizing Opportunities and Generating Ideas; Feasibility Analysis; Writing a Business Plan; Industry and Competitor Analysis; Developing an Effective Business Model; Preparing the Proper Ethical and Legal Foundation; Assessing a New Venture's Financial Strength and Viability; Building a New Venture Team; Getting

Financing or Funding; Unique Marketing Issues; The Importance of Intellectual Property; Preparing for and Evaluating the Challenges of Growth; Strategies for Firm Growth; Franchising.

ENTR6017 – IDEA GENERATION AND OPPORTUNITY DISCOVERY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the process of business idea generation and opportunities discovery. Apply the business idea concept in building a business plan. Analyze the business idea in connection with market and industry, business risk, competition, financing and legal aspect; Formulate the business idea to compete in business idea pitch competition.

Topics: Opportunities for Inventor-Entrepreneurs in the Twenty-First Century; The Second Right Answer Unlearning the Rules of School; A Teaspoon of Baking Soda; Guest Lecturer: Entrepreneur: Born or Made?; Do You Have What It Takes?; Keep It Simple; Smart Questions Forerunners to Innovation; Watch Your Back; Guest Lecturer: Entrepreneur: How to Win Business Competition?; Ready, Set, Launch!; Flip The Switch; Visible Ideas Selling Your Ideas; Power Marketing Made Simple; Invisible Ideas Managing Your Ideas; Winning and Losing at Retail; Managing the Monster.

ENTR6018 – CREATIVE & INNOVATIVE THINKING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of creative and innovative thinking; Apply the creative and innovative thinking process to solve problems; Analyze the ideas, communicate the ideas and maintaining a flexible mind.

Topics: New Truths About Creativity; What is Creativity?; Creative Thinking; The Creative [Problem Solving] Process; Creative Thinking Methods and Techniques; Evaluation of Ideas; The Importance of Communicating Ideas Effectively; Creativity and Place; Creativity & Philosophy; Maintaining a Flexible Mind.

ENTR6019 – BUSINESS RISK ANALYSIS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the meaning of risk and the impact of risk on organization; Apply the risk management analysis to assess, control, and transfer risk; Analyze the risk management strategy to ensure that an organization complies with legal and regulatory obligations, and enhance the effectiveness and efficiency of operations within the organization.

Topics: Approach to defining risk; Impact of risk on organizations; Type of risks; Development of risk management; Principles and aims of risk management; Importance of risk appetite; Tolerate, treat, transfer, and terminate; Risk control techniques; Control of selected hazard risk; Insurance and risk transfer.

ENTR6020 – NEW VENTURE CREATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the business foundations and the process of successfully launching and growing a small-to-medium enterprise as an entrepreneurial venture and the impact of entrepreneurial firms on economy and society; Apply the concepts of feasibility analysis; business model and business plan; legal forms; marketing; negotiation; finance; human capital; operation, and ICT; Analyze the entrepreneurial process and business opportunities; Design the scratch of venture creation.

Topics: Ethics, Social Responsibility, and Green Business; Know Yourself and Choosing the Right Business; Inside the Entrepreneurial Mind: from Ideas to Reality; Understanding Market Potential and Doing Market Research; Conducting a Feasibility Analysis; Designing a Business Model; Building a Powerful Bootstrap Marketing Plan; Crafting a Business Plan and Building a Solid Strategic Plan; Buying an Existing Business and Franchising; How to Choose Wisely the Legal Forms of Ventures in Indonesia (GUEST LECTURER); Branding; Salesmanship; Advertising Strategies; Managing Technologies, Social Media, and E-Commerce; Pricing and Credit Strategies; Negotiation; Choosing the Right Location and Layout; Product and Inventory; Building a New Venture Team; Creating a Successful Financial Plan and Calculating the Start-Up Costs; Managing Cash Flow; Sources of Financing, Equity and Debt; Launching Strategy of the Business (GUEST LECTURER); Global Aspects of Entrepreneurship; Growth Strategies; Planning for the Next Generation and Harvesting the Business.

ENTR6021 – BUSINESS STARTUP (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify and analyze business opportunities; Create innovative business plan and business start-up.

Topics: Business Idea; Business Model; Business Plan Proposal.

ENTR6022 – DEVELOPING BUSINESS MODEL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of brand, brand idea and power positioning; Apply brand's verbal identity; Testing brand; Formulate brand strategy.

Topics: What's the Brand Idea? The Alchemy of Brand Entrepreneur; Power Positioning; The Making of a Brand's Verbal Identity; Creating Your Brand's Verbal Identity; Creating Your Brand's Look and Feel; Pimp My Brand; Brand Bid. Boldly Marketing the Brand; Company Culture: One Team with One Dream; What's Your Pitch?; Take the "Work" out of Networking; From Small Idea to Big Brand.

ENTR6023 – LAUNCHING NEW VENTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Test a Business Model; Analyse the Industry & Market; Launch a New Business.

Topics: Test Result a Business Model; Industry and Market Analysis; Product/Service Design and Protection Analysis; Founder Team; Start Up Capital Requirements; Legal Form of Organization; Entrepreneurial Organization; Start Up Operations Plan; Start Up Marketing Plan; Funding a Start Up Venture; Growing Venture Fund; Planning for Growth; Planning for Change.

ENTR6025 – ENTREPRENEURIAL STRATEGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the concept of entrepreneurial strategic management; Explain the entrepreneurial strategic formulation; Apply the entrepreneurial strategic implementation; Evaluate the implementation of the strategy.

Topics: The Nature of Strategic Management; The Business Vision and Mission; The External Assessment; The Internal Assessment; Strategies in Action; Strategy Analysis and Choice; Implementing Strategies: Management and Operations Issues; Implementing Strategies: Marketing, Finance/Accounting, R&D, and MIS Issues; Strategy Review, Evaluation, and Control; Business Ethics / Social Responsibility / Environmental Sustainability; Global / International Issues.

ENTR6026 – MANAGING GROWING BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain innovation as a business core; Analyze the innovation strategy in organization; Construct the innovative strategy in organization.

Topics: Innovation – What It Is and Why It Matters; Innovation as A Core Business Process; Innovative organization; Innovation strategy; Sources of innovation; Building innovation case; Decision Making Under Uncertainty; Creating New Products and Services; Exploiting Open Innovation and Collaboration; Capturing the Benefits of innovation; Capturing Learning from Innovation.

ENTR6028 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the entrepreneurial strategy in growing business; Analyse new business progress; Plan and manage the business growth.

Topics: Business growth strategy; Business pitch competition for growing a business.

ENTR6029 – DEVELOPING BUSINESS PLAN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of selling psychology, the development of personal power, and the profession of selling. Apply the buying decision, prospecting and powerful presentation. Formulate the selling strategy for new business venture.

Topics: The Psychology of Selling; The Development of Personal Power; Personal Strategic Planning for Sales Professional; The Heart of the Sale; The Profession of Selling; Motivating People To Buy; Influencing The Buying Decision; Prospecting: Filling Your Sales Pipeline; How To Make Powerful Presentations; Closing the Sale: The Endgame Selling.

ENTR6030 – VENTURE CAPITAL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the financing map, cash flow and risk dynamics of early stage venture, how venture capital firms think; Analyse the amount of capital to raise. Create a new business plan; Prepare three minutes pitch presentation.

Topics: Developing a Financing Map; Getting to the First Stepping Stone; The Unique Cash Flow and Risk Dynamics of Early Stage Ventures; Determining the Amount of Capital to Raise and What to Spend It On; Getting Behind How Venture Capital Firms Think; Creating A Winning Business Plan; Valuing Early Stage Companies; Agreeing on A Term Sheet With A Venture Capitalist; Terms for Splitting the Rewards; Allocating Control Between Founders/Management and Investors; Aligning The Interest of Founders/Management and Investors.

ENTR6031 – EES IN NEW BUSINESS II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Work in the start-up team with tight deadline and less tolerance of errors; Communicate effectively with different type of persons; Prepare and present extensive business growth report.

ENTR6033 – BUSINESS PLAN (4/4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the objectives of a business plan; Analyze the feasibility of the business; Create a business plan; Prepare an effective business plan presentation.

Topics: Why Write a Business Plan?; Developing & Screening Business Idea; The Litmus Test a Plan; Introductory Material, Executive Summary and Description of The Business; Industry Analysis; Market Research & Analysis; Web Design; Logo & Packaging; Branding; Marketing Plan; Management & Organizational Structure; Operations Plan and Product Development; Legal; Analysis of Financial Projections; A Successful Business Plan Presentation; Business Plan Presentation.

ENTR6084 – EES IN NEW BUSINESS I (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Work in the start-up team with tight deadline and less tolerance of errors; Communicate effectively with different type of persons; Prepare and present extensive business start-up report.

ENTR6200 – CAPACITY BUILDING IN NEW BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6248 – ENTREPRENEURSHIP AND MANAGING NEW BUSINESS (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6249 – ENTREPRENEURSHIP AND MANAGING NEW BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6250 – ENTREPRENEURSHIP AND MANAGING THE BUSINESS OPERATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6253 – CAPACITY BUILDING IN BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6254 – CAPACITY BUILDING IN NEW BUSINESS (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6256 – VENTURE CAPITAL IN INTERNATIONAL MARKETING FIELD (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in pitching and dealing with Venture Capital; Selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6261 – BUSINESS START UP (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Create a Business based on a profound Business concept which can be explain on its business model, preferable in ICT / Creative Business instead of a Local Business based on student's own interest; Local business is allowed for student who does not have a computer science or information system background; Innovate a creative solution; Apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6262 – BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Develop a Business Model on their business idea; Find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6263 – LAUNCHING NEW VENTURE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Find a process of launching new venture; Communicate to their market segment that have a potentially respond based on their validation process; Preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6264 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6265 – LEAN START UP & BUSINESS PLAN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; Make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

ENTR6266 – VENTURE CAPITAL (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in pitching and dealing with Venture Capital; Selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6268 – BUSINESS MODEL IN INTERNATIONAL MARKETING FIELD AND VALIDATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Develop a Business Model on their business idea; Find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6269 – LAUNCHING NEW VENTURE IN INTERNATIONAL MARKETING FIELD (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Find a process of launching new venture; Communicate to their market segment that have a potentially respond based on their validation process; Preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6270 – BUSINESS START UP (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Create a Business based on a profound Business concept which can be explain on its business model; Preferable in ICT / Creative Business Instead of a Local Business based on student's own interest. Local business is allowed for student who does not have a computer science or information system background; Innovate a creative solution; Apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6272 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6273 – EES IN BUSINESS EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Problem Solving & Decision Making; Team work; Initiative & Enterprise).

Topics: Problem Solving & Decision Making; Team work; Initiative & Enterprise.

ENTR6274 – EES IN NEW BUSINESS (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing 3 soft skills (Communication; Self Management; Planning & Organizing).

Topics: Communication; Self-Management; Planning & Organizing.

ENTR6276 – BUSINESS MODEL & VALIDATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Develop a Business Model on their business idea; Find the needs of the customer creating a solution on their industry problem which they validate through its MVP (Minimum Viable Product).

Topics: Business Model; Value Proposition Design; Product- Market Fit, MVP (Minimum Viable Product) Validation process.

ENTR6277 – LAUNCHING NEW VENTURE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Find a process of launching new venture; Communicate to their market segment that have a potentially respond based on their validation process; Preparation and execution on launching new venture (expo / press conference).

Topics: Business Process; Marketing; Social Media; Press Release.

ENTR6278 – GROWING A BUSINESS (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in creating a network and distribution channel for scalability of the business; Selecting and having a collaboration with certain partner in creating an impact of the Business.

Topics: Marketing; Distribution Channel; Network; Business Strategy.

ENTR6279 – LEAN START UP & BUSINESS PLAN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; Make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance

ENTR6280 – VENTURE CAPITAL (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in pitching and dealing with Venture Capital; Selecting and looking for collaborating with certain VC that can escalate the business.

Topics: Pitching; Venture Strategy; Marketing; Distribution Channel; Network; Business Strategy.

ENTR6285 – BUSINESS START UP (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Create a business based on a profound business concept which can be explain on its business model; Preferable in ICT / Creative Business Instead of a local business based on student's own interest; Local business is allowed for student who does not have a computer science or information system background; Innovate a creative solution; Apply the knowledge and skills they have acquired in education through real world experience.

Topics: Market research; Value proposition; Business Model; Product-Market Fit; MVP (Minimum Viable Product) & Monetization.

ENTR6288 – LEAN INTERNATIONAL MARKETING START UP VENTURE & MARKETING PLAN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understanding and have an experience in implementing Lean Startup methodology (Build, Measure & Learn) in the business; Make a feasibility studies in the Business Plan consist of Financial analysis & marketing strategy.

Topics: Lean Startup; Business Plan; Feasibility Studies; Marketing; Finance.

SUBJECT AREA: FINC**FINC6001 – FINANCIAL MANAGEMENT (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Describe the role and environment of managerial finance and financial statement and analysis; Calculate time value of money and understand risk and return and bond valuation; Apply stocks valuation and capital budgeting process; Calculate cost of capital and Payout Policy.

Topics: Introduction to Managerial Finance; Financial Statement and Analysis; Time Value of Money; Risk and Return; Case and Presentation in Financial Statement Analysis; Interest Rates and Bond Valuation; Stock Valuation; Capital Budgeting Cash Flows; Cost of Capital; Payout Policy; Case and Presentation in Capital Budgeting.

FINC6043 – FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Entrepreneurial Finance and Financial Market Environment; Calculate Financial Ratios, Time Value of Money and Cash Flow; Analyze Risk and Return and Capital Budgeting; Calculate Working Capital and Current Assets Management and Current Liabilities.

Topics: Introduction to Finance for Entrepreneurs; The Financial Market Environment; Financial Statement; Ratio Analysis; Cash Flow and Financial Planning; Time Value of Money part 1; Time Value of Money part 2; Risk and Return; Capital Budgeting Cash Flows; Capital Budgeting Techniques; Working Capital; Current Assets Management; Current Liabilities Management.

FINC6081 – ANALYSIS ON E-BUSINESS INVESTMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain ICT investment analysis steps; Calculate ICT cashflow, cost, investments, benefits and dis-benefits; Prepare ICT investment evaluation and risk analysis; Measure ICT business value.

Topics: Introduction; IT Investments Part 1; IT Investments Part 2; ICT Costing Part 1; ICT Costing Part 2; ICT Costing Part 3; ICT Cashflow; ICT Performance Evaluation; Investment Evaluation Part 1; Investment Evaluation Part 2; Investment Evaluation Part 3; Financial Risk Analysis; Valuing ICT Business.

SUBJECT AREA: ISYS**ISYS6084 – DATABASE (2/2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Describe concepts, terminology, environment, and relational model in database system; Construct query of SQL that suitable with the problem; Design database using structure data model; Apply user role and right access to increase security in database system.

Topics: Introduction to Databases; The Relational Model; Database Environment; SQL: Data Definition Language (1); SQL – Data Manipulation Language (1); SQL – Data Manipulation Language (2); SQL – Data Definition Language (2); Database Systems Development Lifecycle; Normalization; Entity Relationship (ER) Modelling, Enhanced Entity-Relationship Modelling; Security and Administration.

ISYS6085 – ADVANCED TOPICS IN E-BUSINESS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain e-business and other related terms; Analyze current issues and trends in e-business; Formulate e-business strategies.

Topics: e-Business: Models and Challenges; Electronic Marketplace; Social Networks and e-Business; Collaborative Commerce; E-SCM; E-Procurement; E-CRM; M-Commerce; E-Tailing; E-Government; E-Payment; Dynamic Business Strategies; Case Studies.

ISYS6181 – MANAGEMENT INFORMATION SYSTEMS FOR LEADER (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of information system, information technology and business process in today's world; Identify various strategies to achieve organizational competitive advantage for IS leader; Analyze the use of information system and information technology in the global business world.

Topics: Introduction to Information Systems; Business Process & Business Process Management; Hardware & Software; Data and Knowledge Management; Organizational Strategy, Competitive Advantage and Information Systems; Ethics, Privacy & Information Security; E-Business and E-Commerce; Mid Exam Review; Business Intelligence & Intelligence Systems; Wireless, Mobile Computing and Mobile Commerce; Information Systems within the Organization; Social Computing; Cloud Computing; Supply Chain Management & Customer Relationship Management; Final Exam Review.

ISYS6196 – BUSINESS ANALYTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a collection of computer technologies that support big data analytics; Classify business analytics activities; Analyze problems in business analytics; Design prototype strategy information system for business analytics.

Topics: What is Big Data and Why is It Important?; Industry Examples of Big Data; Big Data Technology; Information Management; Application Case 1; Business Analytics; The People Part of the Equation; Data Privacy and Ethics; Application Case 2; The Complete Project Lifecycle for Decision-Support Applications 1; The Complete Project Lifecycle for Decision-Support Applications 2; Application Case 3; Project Presentation.

ISYS6447 – E-BUSINESS SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define e-business and e-commerce system related terms; Explain e-business overview and its impact to business, society and technology; Apply e-business system to corporate strategy; Analyze e-business strategy for competitive advantage.

Topics: Overview of Electronic Commerce; E-Commerce: Mechanisms, Infrastructure, and Tools; Retailing in Electronic Commerce: Products and Services; B2B E-Commerce; Innovative EC Systems: From E-Government to E-Learning, Collaborative Commerce, and C2C Commerce; Mobile Commerce and Ubiquitous Computing; Social Commerce; Marketing and Advertising in E-Commerce; E-Commerce Security and Fraud Protection; Electronic Commerce Payment Systems; Order Fulfillment along the Supply Chain; EC Strategy, Globalization, and SMEs; Implementing EC Systems: From Justification to Successful Performance.

ISYS8175 – E-BUSINESS STRATEGY AND IMPLEMENTATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe e-business strategy and implementation issues; Identify e-business strategy and implementation issues; Formulate e-business strategy theories and cases to answer business opportunity.

Topics: Introduction to digital business and e-commerce; Marketplace analysis for e-commerce; Managing digital business infrastructure; E-environment; Digital business strategy; Supply chain management; e-procurement; Digital Marketing; Customer relationship management; Change management; Analysis and design; Digital business service implementation and optimization.

SUBJECT AREA: LANG

LANG6061 – INDONESIAN (1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify accuracy of diction and sentence in a paragraphs; Perform academic paragraphs; Compose scientific essays with a variety of scientific language.

Topics: Diksi dan Kalimat; Paragraf Akademik; Ragam Bahasa Ilmiah; Menulis Ilmiah; Konvensi Naskah Ilmiah; Ulasan Topik.

SUBJECT AREA: LAWS

LAWS6075 – LEGAL ASPECT IN ECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the law and ethic; Apply type of the law and legal basis; Analyze about legal aspect in economic.

Topics: Introduction to Law; Property Law; Contract; Types of companies; Intellectual Property Right I; Intellectual Property Right II; Industrial Relation I; Industrial Relation II; Capital Market Law; Antitrust; Consumer Law; Bankruptcy; Alternative Dispute Settlement I.

LAWS6079 – LEGAL ASPECT IN ECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the scope of law relating to business and marketing communication fields; Explain the basic principles of law relating to business and marketing communication fields; Apply the use of basic concepts of law in business and marketing communication; Apply analyze how to solve the law cases in business and marketing communication by implementing its provisions.

Topics: Introduction; The Law of Obligations and Legal Agreement; Legal Aspects of Company; Insurance Law; Consumer Protection Law; Antimonopoly and Competition Law; Banking and Financial Business Law; Labour and Employment Law; Legal aspects of Information and Electronic Transaction; Intellectual Property Rights Law (1); Intellectual Property Rights Law (2); Media Law; Business Dispute Resolution.

SUBJECT AREA: MATH

MATH6048 – BUSINESS MATHEMATICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain learning of mathematics basic concept; Apply mathematics formula concept in particular case; Analyze the problem of macro and micro economics also using of basic mathematics concept using formula in order to analyse business.

Topics: Review of Algebra; Applications and More Algebra; Functions and Graphs; Lines, Parabolas, and Systems; Exponential and Logarithmic Functions; Mathematics of Finance; Matrix Algebra; Differentiation; Curve Sketching; Multivariable Calculus; Integration; Applications of Integration.

SUBJECT AREA: MGMT

MGMT6011 – INTRODUCTION TO MANAGEMENT AND BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the principles of management, the decisions making process, doing and managing diversity in a global environment, ethical behavior, managing change and innovation; Explain setting goals and plans, competitive strategies and traditional and contemporary organizational designs, effective interpersonal & organizational communication, contemporary view of leadership, the control process, creating a wealthy economy and functions of business; Analyze management functions, understanding the economic system, basic forms of business ownership, the entrepreneurial challenge, production processes, the value of motivation, the marketing mix, and financial planning; Apply management and business functions in workplace.

Topics: Managers in the Workplace; Making Decisions; Managing in a Global Environment; Managing Diversity; Managing Social Responsibility and Ethics; Managing Change and Innovation; Planning Work Activities; Managing Strategy; Designing Organizational Structure- Basic and Adaptive Designs; Creating and Managing Team; Managing Communication; Motivating Employees; Being an Effective Leader; Monitoring and Controlling; Taking Risks and Making Profits within the Dynamic Business Environment; Understanding Economics and How It Affects Business; How to Form a Business; Entrepreneurship and Starting a Small Business; Production and Operations Management; Human Resources Management; Marketing : Helping Buyers Buy; Developing and Pricing Goods and Services; Distributing Products and Using Effective Promotions; Financial Management; Using Securities Markets for Financing and Investing Opportunities; Using Technology to Manage Information.

MGMT6012 – HUMAN RESOURCES MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concept of human resource management; Identify the human resource function; Describe human resource functions that match to organizations' need.

Topics: Introduction to HRM; The Challenges of HRM; HRM Strategy and analysis; Equal Employment Opportunity & Workforce Diversity; Job Analysis & Talent Management Process; Job Design; Personnel planning and recruiting (Part I); Personnel planning and recruiting (Part II); Employee testing & Selection; Interviewing Candidates; Training & Development Employees (Part I); Training & Development Employees (Part II); Building positive employee relations; Labor relations and collective bargaining; Performance Management and Appraisal (Part I); Performance Management and Appraisal (Part II); Establishing Strategic Pay Plans (Part I); Establishing Strategic Pay Plans (Part II); Managing Careers and retentions; Safety, Health and risk management; Pay for performance and financial incentives; Benefits and services; Business Ethics & Corporate Social Responsibility; HR Separation; Managing HRM in Small and Entrepreneurial Firms; Managing Global HRM.

MGMT6017 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Perform depth exploration of a topic of special interest; Explain relevant theories in the chosen area; Evaluate theories and doctrines, and give recommendations where appropriate; Express the ability to analyze various aspects of a topic, review, and synthesize knowledge; Apply various research techniques, find suitable sources of information, and acknowledge them in the research project; Demonstrate effective communicative skills to present research.

Topics: Introduction and orientation to the course; The nature of the research; Process and possible methods of analysis; Define a methodology for data collection and analysis; Collect and analyse Fieldwork data; Chapter 1 Review; Chapter 2

Review; Chapter 3 Review; Chapter 4 Review; Chapter 5 Review; Final Review: Chapter 1 – 5; Draft thesis submitted with draft conclusions about the research questions.

MGMT6018 – OPERATIONAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify principles of Operations Management; Describe how products and services are designed by Operations Management; Apply concepts, tools, and techniques of effective operation management to products and services in an organization.

Topics: Operations & Productivity; Operations Strategy in a Global Environment; Design Good and Services; Managing Quality and Statistical Process Control; Process Strategy; Capacity Planning and Constraint Management; Location Strategies; Layout Strategies; Supply Chain Management; Inventory Management; Aggregate Planning and S&OP; Material Requirements Planning (MRP) and ERP; Short-Term Scheduling; Lean Operations; Maintenance and Reliability.

MGMT6029 – KNOWLEDGE MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain basic concept of knowledge management, cycle, models, and knowledge capture & codification; Discuss principles of knowledge sharing, application, management tools, strategy and the value of knowledge management; Hypothesize Strategy and the implementation of Knowledge Management.

Topics: Introduction to Knowledge Management; The Nature of Knowledge; Knowledge Management Foundations: Infrastructure, Mechanisms, and Technologies; Knowledge Management Solutions: Processes and Systems; Organizational Impacts of Knowledge Management; Knowledge Application System: Systems that Utilize Knowledge; Knowledge Capture Systems: Systems that Preserve and Formalize Knowledge; Knowledge Sharing Systems: Systems that Organize and Distribute Knowledge; Knowledge Discovery Systems: Systems that Create Knowledge; Emergent Knowledge Management Practices; Factors Influencing Knowledge Management; Leadership and Assessment of Knowledge Management; The Future of Knowledge Management.

MGMT6033 – ADVANCED TOPICS IN BUSINESS AND ORGANIZATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the major issues and concepts in current business includes business intelligence and analytics; Analyze the concept of business process in today's organizations; Explain the importance of virtual enterprises as organizational form in the modern economy.

Topics: Emerging topics in today's business & Organizations; Introduction to business intelligence & analytics; Business reporting & visual analytics; Business Performance Management; Trends and impacts of business analytics; A general introduction to the context in which Virtual Enterprises (VEs); Towards new frontiers: Cross work & the technology; Business, Organization and Architecture; Introduction of Business process management & the business process change; Critical Factor, Drivers and triggers in Business Process Management; The 7FE Framework, how to apply Business Process Management; Measuring process performance; Embedding Business Process Management in Organization.

MGMT6038 – CROSS CULTURAL MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss the concept of culture and management; Explain the relationship of culture, organizations and management; Apply the culture in business and communication; Analyze the culture in business and communication.

Topics: Determinant & dimensions of culture; Business culture in Western World; Business culture in Asia, Africa, and Middle East; Culture dimensions and dilemmas; Culture and styles of management; Culture, leadership, and corporate strategy; Culture change and diversity in organizations; Culture and international marketing management; Business communication across culture; Barriers to intercultural communication; Negotiating internationally & Working in international teams; Conflict and culture differences; Developing intercultural communicative competence.

MGMT6040 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analyze marketing research problems and their background; Explain relevant theories in the chosen area; Formulate the appropriate research design; Demonstrate various techniques of data collection, data preparation, and data processing; Interpret research results into marketing decision recommendations; Demonstrate effective communication skills to present research results.

Topics: Introduction to The Course; The Role of Marketing Research; Problem Definition; Research Methodology; Questionnaire Design; Data Processing and Fundamental Data Analysis; Chapter 1 Review; Chapter 2 Review; Chapter 3 Review; Chapter 4 Review; Chapter 5 Review; Final Review; Pre-Defense by Thesis Supervisor.

MGMT6042 – CROSS CULTURAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Discuss the concept of culture and management; Explain the relationship of culture, organizations and management; Apply the culture in business and communication; Analyze the culture in business and communication.

Topics: Determinants of Culture; Dimensions of culture: Hofstede and GLOBE; Business Culture in Western World (I); Business Culture in Western World (II); Business Culture in Asia, Africa, and Middle East (I); Business Culture in Asia, Africa, and Middle East (II); Cultural dimensions and dilemmas; Culture and styles of management; Culture, corporate structures, and leadership; Culture and corporate strategy; Culture change and diversity in organizations (I); Culture change and diversity in organizations (II); Culture and international marketing management (I); Culture and international marketing management (II); Business communication across cultures (I); Business communication across cultures (II); Barriers to intercultural communication (I); Barriers to intercultural communication (II); Negotiating internationally (I); Negotiating internationally (II); Working in international teams (I); Working in international teams (II); Conflict and cultural differences (I); Conflict and cultural differences (II); Developing intercultural communicative competence (I); Developing intercultural communicative competence (II).

MGMT6044 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Perform depth exploration of a topic of special interest; Explain relevant theories in the chosen area; Evaluate theories and doctrines, and give recommendations where appropriate; Express the ability to analyze various aspects of a topic, review, and synthesize knowledge; Apply various research techniques, find suitable sources of information, and acknowledge them in the research project; Demonstrate effective communicative skills to present research.

Topics: Introduction and orientation to the course; The nature of the research; Process and possible methods of analysis; Define a methodology for data collection and analysis; Collect and analyse Fieldwork data; Chapter 1 Review; Chapter 2 Review; Chapter 3 Review; Chapter 4 Review; Chapter 5 Review; Final Review: Chapter 1 – 5; Draft thesis submitted with draft conclusions about the research questions.

MGMT6046 – MANAGEMENT SCIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the concept of quantitative business analysis; Apply mathematic concept properly and mathematical concept in solving a business problem; Analyze the mathematic methods to solve economic and business problems.

Topics: Introduction to Quantitative Analysis; Linear Programming Models: Graphical and Computer Methods; Linear Programming Applications; Assignment Model; Forecasting Models; Waiting Line and Queuing Theory Models; Project Management; Markov Analysis; Decision Analysis; Network Models; Simulation Modelling.

MGMT6069 – HUMAN RESOURCES MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concept of human resource management; Identify the human resource function; Describe the human resource functions that match to organizations' need.

Topics: HRM: A Strategic Functions; The Challenges of HRM; Business Ethics & Corporate Social Responsibility; Equal Employment Opportunity & Workforce Diversity; Job Design; Job Analysis; Human Resource Planning; Recruitment; Selection; Training & Development; Management & Organization Development; Career Management; Performance Management and Appraisal; Organizational Reward System; Base Wage & Salary System; Incentive Rewards; Employee Benefit and Non-Financial Compensation; A Safe and Healthy Work Environment; Internal Employee relation; Collective Bargaining; HR Separation; Global HRM; HRM for Small Businesses.

MGMT6070 – OPERATIONAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify principles of Operations Management; Describe how products and services are designed by Operations Management; Apply concepts, tools, and techniques of effective operation management to products and services in an organization.

Topics: Operations & Productivity; Operations Strategy in a Global Environment; Design Good and Services; Managing Quality and Statistical Process Control; Process Strategy; Capacity Planning and Constraint Management; Location Strategies; Layout Strategies; Supply Chain Management; Inventory Management; Aggregate Planning and S&OP; Material Requirements Planning (MRP) and ERP; Short-Term Scheduling; Lean Operations; Maintenance and Reliability.

MGMT6124 – INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Observe business environment in real industry setting; Identify real business cases faced by industry; Review the existing problem solving that has been implemented by industry experts.

Topics: Written Research Paper: Business Analysis; Competitor Analysis, Micro Environment; Analysis Academic, Major Integration, Analysis Performance Evaluation.

MGMT6125 – BUSINESS & ORGANIZATION IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify organization process in real industry setting; Demonstrate business process in real industry setting.

Topics: Organization Definition, Organization Evolution, Problem Constraining Business & Organization Development; Evolution in Global Business; Global Human Resources Management.

MGMT6126 – ORGANIZATIONAL PERFORMANCE & EVALUATION IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental principle of organization performance; Demonstrate the organization performance activities; Evaluation process in real organization setting.

Topics: Introduction and Course Overview; Organization for performance operations; The Strategy of International Organization Performance; The Organization of International; Global Production.

MGMT6130 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: The Meaning and Value of Work, Define e-business related terms, Construct alternative solutions to the real industry problems; Analyze each alternative marketing solutions; The ability to apply the knowledge and skills they have accurate in real working environment, Evaluate the result of the implementation of chosen industry solutions.

Topics: Activity Reports; Written Research Paper; Performance Evaluation; Academic Major Integration; Performance Evaluation, Time Sheet Matrix.

MGMT6131 – E-BUSINESS MANAGEMENT IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding of strategy and marketing of e-business concept and practice. The course offers students and international approach and good balance between the technical and managerial topics of central importance to developing an understanding of e-business and e-commerce.

Topics: Overview of e-business and e-commerce, E-business infrastructure, E-environment, E-business strategy, E-marketing, Internet Consumer Retailing, B2B.

MGMT6132 – E-BUSINESS APPLICATION IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define e-business related terms, Explain e-business overview and its impact to business and society.

Topics: Introduction to e-business and e-commerce, E-marketplace, The Impact of the Internet for macro environment and corporate competencies, E-Supply Chain Management, E-Customer Relationship Management, Market research.

MGMT6134 – PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Observe business environment in real industry setting; Identify real business cases faced by industry; Review the existing problem solving that has been implemented by industry experts.

Topics: Written Research Paper: Business Analysis; Competitor Analysis, Micro Environment; Analysis Academic, Major Integration, Analysis Performance Evaluation.

MGMT6135 – BUSINESS & ORGANIZATION IN PROFESSIONAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: identify organization process in real industry setting; Demonstrate business process in real industry setting.

Topics: Organization Definition, Organization Evolution, Problem Constraining Business & Organization Development; Evolution in Global Business; Global Human Resources Management.

MGMT6136 – ORGANIZATIONAL PERFORMANCE & EVALUATION IN PROFESSIONAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental principle of organization performance; Demonstrate the organization performance activities; Evaluation process in real organization setting.

Topics: Introduction and Course Overview; Organization for performance operations; The Strategy of International Organization Performance; The Organization of International; Global Production.

MGMT6137 - BUSINESS MANAGEMENT AND PROFESSIONAL DEVELOPMENT (4 Credits)

Learning Outcome: On Successful Completion of this course, students will obtain working experience in the real fieldwork to enhance the soft skills and management skill.

Topics: Business Communication and Communication Skill, Teamwork, Interpersonal Skill.

MGMT6140 – PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able obtain: The Meaning and Value of Work, Define e-business related terms, Construct alternative solutions to the real industry problems; Analyze each alternative marketing solutions; The ability to apply the knowledge and skills they have accurate in real working environment, Evaluate the result of the implementation of chosen industry solutions.

Topics: Activity Reports; Written Research Paper; Performance Evaluation; Academic Major Integration; Performance Evaluation, Time Sheet Matrix.

MGMT6141 – E-BUSINESS MANAGEMENT IN PROFESSIONAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding of strategy and marketing of e-business concept and practice. The course offers students and international approach and good balance between the technical and managerial topics of central importance to developing an understanding of e-business and e-commerce.

Topics: Overview of e-business and e-commerce, E-business infrastructure, E-environment, E-business strategy, E-marketing, Internet Consumer Retailing, B2B.

MGMT6142 – E-BUSINESS APPLICATION IN PROFESSIONAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define e-business related terms, Explain e-business overview and its impact to business and society.

Topics: Introduction to e-business and e-commerce, E-marketplace, The Impact of the Internet for macro environment and corporate competencies, E-Supply Chain Management, E-Customer Relationship Management, Market research.

MGMT6143 – BUSINESS MANAGEMENT AND PROFESSIONAL DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able obtain: Provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communications Skills, Problem Solving Skills, Team Work Skills, Interpersonal Skills.

MGMT6144 – CORPORATE GOVERNANCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the nature, function, and realities of the board and other governing bodies; Analyze board structure, systems, and procedures; Explain major aspects of corporate governance; Explain various theories of corporate governance; Discuss corporate governance process around the world; Recognize the issues that are influencing corporate governance and board thinking.

Topics: Corporate Governance: All Corporate Entities Need Governing; Corporate Governance Defined; Theories and Philosophies of Corporate Governance; The Governance Partnership: Shareholders and Directors; The Regulatory Framework; Models of Corporate Governance; The Role of the Board; Risk and the Board; Governing Listed Companies; Governing Private Companies and Other Corporate Entities; Corporate Social Responsibility and Sustainability; Directors' Appointment, Roles, and Remuneration; The Reality of the Boardroom; Board Effectiveness; Corporate Governance Around the World; Board Evaluation; Corporate Governance in Practice.

MGMT6145 – COMPENSATION AND PERFORMANCE MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the compensation and pay model; Explain factors needed in designing pay structure; Relate compensation strategy to performance management; Design compensation strategy.

Topics: Understanding Compensation Through The Pay Model; Strategy : The totality of decision; Defining Internal Alignment; Job Analysis & Compensation; Job based structures & job evaluation; Defining competitiveness; Designing pay

level, mix, and pay structures; Pay for performance (Through the evidence); Pay for performance plans; Performance appraisal and compensation; Benefit determination process; International pay system; Management : Making it work.

MGMT6153 – ENTREPRENEURIAL AND INDUSTRIAL BUSINESS DEVELOPMENT (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communications Skills, Problem Solving Skills, Team Work Skills, Interpersonal Skills.

MGMT6172 – ENTREPRENEURIAL AND INDUSTRIAL BUSINESS DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communications Skills, Problem Solving Skills, Team Work Skills, Interpersonal Skills.

MGMT6196 – PROJECT MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts and principles of project management; Describe project team building, risk management, and cost estimation; Demonstrate network planning and project scheduling; Demonstrate project evaluation and control.

Topics: Introduction: Why Project Management?; The Organizational Context: Strategy, Structure, and Culture; Project Selection and Portfolio Management; Leadership and the Project Manager; Scope Management; Project Team Building, Conflict, and Negotiation; Risk Management; Cost Estimation and Budgeting; Project Scheduling: Networks, Duration Estimation, and Critical Path; Project Scheduling: Lagging, Crashing, and Activity Networks; Advanced Topics in Planning and Scheduling: Agile and Critical Chain; Resource Management; Project Evaluation and Control; Project Closeout and Termination.

MGMT6197 – INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Researching and identifying business potential and new opportunities, Identify business strategy in dynamic business competition, Describe key success factors for new business development and identify business development best practice.

Topics: Written Research Paper: Business Development Strategy, Strategic Partnership and negotiation Strategy, Business Environment Analysis, Customer Relationship Management.

MGMT6198 – BUSINESS DEVELOPMENT IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe business process and competitive strategy, identify business model development, describe business canvas model for new business development, Design a framework for assessing opportunities.

Topics: Organization Development Strategy, Managing Innovation and knowledge, Business Analysis Model, Business Ethics.

MGMT6199 – PROJECT MANAGEMENT IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design project for new business development, identify and analysis market opportunities, Analyze market penetration strategy, identify business value proposition.

Topics: Project Management, Business Simulation, Market Analysis, Industry Analysis, Business Innovation and Knowledge

MGMT6201 – PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Researching and identifying business potential and new opportunities, Identify business strategy in dynamic business competition, Describe key success factors for new business development and identify business development best practice.

Topics: Written Research Paper: Business Development Strategy, Strategic Partnership and negotiation Strategy, Business Environment Analysis, Customer Relationship Management.

MGMT6202 – BUSINESS DEVELOPMENT IN PROFESSIONAL EXPERIENCE (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe business process and competitive strategy, identify business model development, describe business canvas model for new business development, Design a framework for assessing opportunities.

Topics: Organization Development Strategy, Managing Innovation and knowledge, Business Analysis Model, Business Ethics.

MGMT6203 – PROJECT MANAGEMENT IN PROFESSIONAL EXPERIENCE (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Design project for new business development, identify and analysis market opportunities, Analyze market penetration strategy, identify business value proposition.

Topics: Project Management, Business Simulation, Market Analysis, Industry Analysis, Business Innovation and Knowledge.

MGMT6204 – BUSINESS MANAGEMENT AND PROFESSIONAL DEVELOPMENT (4 Credits)

Learning Outcome: On Successful Completion of this course, students will obtain working experience in the real fieldwork to enhance the soft skills and management skill.

Topics: Business Communication and Communication Skill, Teamwork, Interpersonal Skill.

MGMT6216 – ENTREPRENEURIAL AND INDUSTRIAL BUSINESS DEVELOPMENT (3 Credits)

Learning Outcomes: The primary goal an EES in E-business industry is to provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communications Skills, Problem Solving Skills, Team Work Skills, Interpersonal Skills.

MGMT6217 – ENTREPRENEURIAL AND INDUSTRIAL BUSINESS DEVELOPMENT (3 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain to: Working experience in the real fieldwork to enhance the soft skills.

Topics: Team work, problem Solving, Interpersonal Skill.

MGMT6228 – ENTREPRENEURIAL AND INDUSTRIAL BUSINESS DEVELOPMENT (3 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain to: Working experience in the real fieldwork to enhance the soft skills and management skill.

Topics: Business Communication and Communication Skill, Teamwork, Interpersonal Skill.

MGMT6238 – SERVICE MANAGEMENT FUNDAMENTAL (4 Credits)

Learning Outcome: On successful completion of this course, students will be able to: Define the basic knowledge of service management; Analyze the theories of service management; Explain service management in any industry; Applied service management in the organization.

Topics: The service and relationship imperative; The nature of service and service consumption, and its customer management implications; The service profit logic and service management principles; Service and relationship quality; Quality management in service; Return on service and relationship; Managing the augmented service offering; Managing productivity in service organizations; Managing marketing or customer-focused management; Customer focused organization; People management; Managing service culture; Transforming a manufacturing firm into a service business.

MGMT6239 – SERVICE OPERATIONAL MANAGEMENT (2 Credits)

Learning Outcome: On successful completion of this course, students will be able to: Define the basic knowledge of service operations management; Discuss the need of organization for service operations management; Analyze service operations management in any kind of organization.

Topics: Introducing Service Operations Management; Understanding the Challenges for Operations Managers; Developing and Using the Service Concept; Understanding Customers and Relationships; Managing Customer Expectations and Perceptions; Managing Supply Networks and Supplier Relationships; Designing the Customer Experience and Service Process; Measuring, Controlling and Managing; Managing People and Service Resources; Driving Continuous Improvement; Learning from Problems and other operations; Creating and Implementing the Strategy and Understanding and Influencing Culture; Building a World-class Service Organisation.

MGMT6240 – EXPERIENCE IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct scientific writing related to professional attachment program; Apply business and service management competencies in organization.

Topics: Internship at industry/research/Business startup/study abroad/ Social and community empowerment.

MGMT6241 – INDUSTRIAL BUSINESS SERVICE PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify services management process in real industry setting; Demonstrate services management process in real industry setting.

Topics: The Nature of Service Management, The Service Concept, Service Process Design.

MGMT6243 – PROFESSIONAL PROGRAM IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: The professional attachment program, which will be experienced by students for a semester, students will be involved in projects or research and tasks, which are relevant to their competency and also based on their interest. Furthermore, at the end of each program (internship), students are required to report their internship activities through scientific writing, and achievement for performance review purpose, as the internship result will be transferred as credits.

Topics: Internship at industry/research/Business startup/study abroad/ Social and community empowerment.

MGMT6244 – PROFESSIONAL PRACTICE IN BUSINESS SERVICE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply service management principles to real case in industry setting; Analyze problem solutions of real issues in industry setting.

Topics: Designing Services, Delivering Services and Developing Services.

MGMT6274 – MANAGEMENT AND ORGANIZATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concept of organization theory; Choose the elements of an organization suitable to the organization's need; Identify the elements of an organization.

Topics: Organizations and Organization Theory; Organization and Organizational Effectiveness; Strategy, Organization Design, and Effectiveness (I); Strategy, organization design and effectiveness (II); Fundamentals of Organizational Structure (I); Fundamentals of Organizational Structure (II); The External Environment (I); The External Environment (II); Interorganizational Relationships; Designing Organizations for the International Environment (I); Designing Organizations for the International Environment (II); Manufacturing and Service Technologies (I); Manufacturing and Service Technologies (II); Information Technology and Control; Organization Size, Life Cycle and Decline; Organizational Transformation, Birth, Growth, Decline, and Death (I); Organizational Transformation, Birth, Growth, Decline, and Death (II); Organizational Culture and Ethical Values (I); Organizational Culture and Ethical Values (II); Innovation and Change (I); Innovation and Change (II); Decision Making Process (I); Decision Making Process (II); Decision Making, Learning, Knowledge Management, and Information Technology; Conflict, Power and Politics; Case Study & Evaluation.

MGMT6275 – CUSTOMER RELATIONSHIP MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the world of Social CRM; Analyze the Social CRM process and strategy; Apply the concept Social CRM in the modern context.

Topics: Social Media CRM: The Intersection of Social Media and CRM; Smart Ways to Incorporate Social Media into Your Organization; Leverage Social Media Information to Advance Social CRM Efforts & Creating Social Media Community in Support of Social CRM; Social Media Knowledge Communities & Overcoming Skepticism to Exploit Social CRM; Social CRM Strategy & Social CRM Software Selection and Vendor Negotiation; Ten Steps to Effective Social CRM Implementation & Social CRM: Achieving the Right Mix; Realizing Effective Process Change & Understanding Business Process Review; Applying "Process" Best Practices to Social Media Strategy & Overcoming Inevitable People Issues; Keeping Users Engaged, Happy & Applying "People" Best Practices to Social Media; Social CRM Technology Issues & Customers of the Future and Their Impact on Social CRM; The Impact of Mobility & Gamification on Social CRM; The Impact of Big Data Analytics, Insight & Channel on Social CRM; The Impact of the Internet of Things on Social CRM.

MGMT6276 – LEADERSHIP AND MANAGING HUMAN CAPITAL IN ORGANIZATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of leadership; Explain the concept of human capital; Measure the effect of leadership; Analyze the human capital contribution; Analyze human capital measurement; Define the business model and explain the defined business model.

Topics: Leadership is Everyone's Business and Developed Through Education and Experience; Market Segment – Persona; Leadership Involves an Interaction Between The Leader, The Follower, and The Situation; Ideation; Assessing Leadership and Measuring Its Effects; Visual Thinking; Leadership, Value and Traits; Human Leverage; Prototyping; How to Measure Human Capital's Contribution to Enterprise Goals; Human Capital's Impact on Process; Human Resources' Value Added and value improvement initiative results; Human Capital Analytics: The Leading Edge of Measurement; Story-telling; Outsourcing: A New Operating Model & Scenarios in Business.

MGMT7013 – STRATEGIC MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply the basic model; the benefits of good strategic management; role and the process of developing vision and mission statements ; ethics and social responsibility; the global challenge and communication differences across countries; Design vision-mission statement, key

success factors for external-internal scanning, the industrial organization and RBV view, Porter's Five generic strategies, 16 types of business strategies and three-stage framework for choosing among alternative strategies; Analyze strategic management as IFE and EFE Matrix, CPM, TOWS, SPACE, IE, Grand Strategy, BCG Matrix and QSPM; Construct of the business strategy, annual objectives, policies, implementation-execution and monitoring of strategy.

Topics: Strategic Management Essentials; Types of Strategies; Ethics/Social Responsibility/Sustainability; Outside-USA Strategic Planning; Vision and Mission Analysis; The External Audit; The Internal Audit; Strategy Generation and Selection; Strategy Implementation; Strategy Execution; Strategy Monitoring; Case in Strategic Management.

MGMT7169 – GLOBAL SUPPLY CHAIN MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of Supply Chain Management (SCM); Apply the concept of Supply Chain practically; Analyze the concept of Supply Chain Management to solve economic and business problems.

Topics: Understanding the Supply Chain; Understanding the Supply Chain_2; Supply Chain Performance Achieving Strategic Fit and Scope; Supply chain performance achieving strategic fit and scope_2; Aggregate Planning in a Supply Chain; Aggregate Planning in a Supply Chain_2; Sales and Operations Planning: Planning Supply and Demand in a Supply Chain; Sales and Operations Planning: Planning Supply and Demand in a Supply Chain_2; Transportation in a Supply Chain; Transportation in a Supply Chain_2; Sourcing Decisions in a Supply Chain; Sourcing Decisions in a Supply Chain_2; Sustainability and the Supply Chain.

MGMT7314 – STRATEGIC MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply the basic model; the benefits of good strategic management; role and the process of developing vision and mission statements; ethics and social responsibility; the global challenge and communication differences across countries; Design vision-mission statement, key success factors for external-internal scanning, the industrial organization and RBV view, Porter's Five generic strategies, 16 types of business strategies and three-stage framework for choosing among alternative strategies; Analyze strategic management as IFE and EFE Matrix, CPM, TOWS, SPACE, IE, Grand Strategy, BCG Matrix and QSPM; Construct of the business strategy, annual objectives, policies, implementation-execution and monitoring of strategy.

Topics: Strategic Management Essentials; Types of Strategies; Ethics/Social Responsibility/Sustainability; Outside-USA Strategic Planning; Vision and Mission Analysis; The External Audit; The Internal Audit; Strategy Generation and Selection; Strategy Implementation; Strategy Execution; Strategy Monitoring; Case in Strategic Management.

SUBJECT AREA: MKTG

MKTG6021 – CUSTOMER RELATIONSHIP MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe conceptual foundation of customer relationship management (CRM); Describe analytical customer relationship management (CRM) tools; Explain strategic customer relationship management (CRM); Explain operational customer relationship management (CRM).

Topics: Strategic Customer Relationship Management Today; Relationship Marketing and the Concept of Customer Value; Strategic CRM; Implementing the CRM Strategy; Customer Analytics (part I); Customer Analytics (part II); Data Mining; Using Databases; Software Tools and Dashboards; Loyalty Programs: Design and Effectiveness; Campaign Management; CRM Issues in The Business-To-Business Context; Customer Privacy Concerns and Privacy Protective Responses.

MKTG6023 – INTERNATIONAL MARKETING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the Global Marketing Environment in Micro and Macro Aspects; Analyze the Global Consumer Behavior and Characteristics; Design Global Marketing Strategies and Promotional Tools using Global Marketing Mix.

Topics: Introduction to Global Marketing; The Global Marketing Environment; Social, Cultural, Political, Legal and Regulatory Environments; Global Information System and Market Research; Segmenting, Targeting, and Positioning; Importing, Exporting, and Sourcing; Global Market Entry Strategies; Brand and Product Decisions in Global Marketing; Pricing Decisions; Global Marketing Channels and Physical Distribution; Global Marketing Communication: Advertising & Public Relations; Global Marketing Communication: Sales Promotion, Personal Selling, Special Form; Leadership, Organization, and Corporate Social Responsibility.

MKTG6058 – INDUSTRY EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Observe business environment in real industry setting; Identify real business cases faced by industry; Review the existing problem solving that has been implemented by industry experts.

Topics: Written Research Paper: Market Analysis; Competitor Analysis, Micro Environment; Analysis Academic Major Integration; Analysis Performance Evaluation.

MKTG6059 – INTEGRATED MARKETING COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the basic theory of Integrated Marketing Communication; Explain the advertising and media tools; Identify the strategy to make a proper promotional strategy using the promotional tools; Identify The IMC Ethics, Regulation and Evaluation.

Topics: The IMC Foundation; IMC Advertising Tools; IMC Media Tools; IMC Promotional Tools; IMC Ethics, Regulation, and Evaluation.

MKTG6061 – MARKETING MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the concept of marketing; Describe the consumer and business buyer behavior; Describe the customer-driven strategy and marketing mix; Explain extended marketing issues.

Topics: Marketing: Creating and Capturing Customer Value; Company and Marketing Strategy; Analyzing the Marketing Environment; Managing Marketing Information to Gain Customer Insights; Consumer and Business Buyer Behaviour; Customer-Driven Marketing Strategy; Product, Services, and Brands: Building Customer Value; Pricing: Understanding and Capturing Customer Value; Marketing Channels: Delivering Customer Value; Communicating Customer Value: IMC Strategy; Creating Competitive Advantage; The Global Marketplace; Sustainable Marketing: Social Responsibility and Ethics.

MKTG6100 – E-MARKETING AND E-CRM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the development of online marketing strategy and its role in a whole marketing strategy decision making in a company; Describe the right online promotional tools and online communication channel to set up a right marketing strategy; Design an online marketing strategy to boost offline and online selling; Propose business plan and the showcased potential business project, design and evaluate Business Plan.

Topics: The Mindset Shift: From Web 2.0 Digital Marketing to Web 3.0 Digital Marketing Beyond; How Does Your Digital Marketing Look Today; Creating Customer Profiles; Social on Steroids: How to Correctly Capitalize on Social Media; The Content Craze: Grabbing Your Customer's Attention Before Your Competition; Who are Our Next 10 Customers?; Mobile Marketing: The One Trend That Cannot Be Ignored; Virtual Reality Worlds: The Hows and Whys of This Unique Marketing Universe; High Specifications in the Business; Video Marketing: Leveraging Video for More Profits; Leveraging Tools to Speed Up and Automate Your Marketing; Quantifying the Value Propositions in the Business; Social Media CRM: The Intersection of Social Media and CRM; Smart Ways to Incorporate Social Media into Your Organization; Where is Your Positions? (Chart Competitive Position); Leverage Social Media Information to Advance Social CRM Efforts & Creating Social Media Community in Support of Social CRM; Social Media Knowledge Communities & Overcoming Skepticism to Exploit Social CRM; Designing Business Model of the Business; Social CRM Strategy & Social CRM Software Selection and Vendor Negotiation.

MKTG6101 – INDUSTRIAL MARKETING PRACTICE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: identify marketing process in real industry setting; Demonstrate marketing process in real industry setting.

Topics: Segmenting, Targeting, Positioning; Product and Brand Strategy; Pricing Strategy; Channel (Distribution) Strategy; Promotion, Advertising, and IMC.

MKTG6102 – MARKETING RESEARCH IN INDUSTRIAL PRACTICES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental principles of marketing research; Demonstrate the marketing research activities.

Topics: Introduction to Marketing Research; Defining the Marketing Research Problem and Developing An Approach; Research Design.

MKTG6104 – PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct alternative solutions to the real marketing problems faced by industry; Analyze each alternative marketing solutions; Evaluate the result of the implementation of chosen marketing solutions.

Topics: Activity Reports; Written Research Paper: Global Market Analysis, International Marketing Strategy, Marketing Ethics, New Media; Academic Major Integration; Performance Evaluation.

MKTG6105 – PROFESSIONAL PRACTICE IN MARKETING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply marketing principles to real case in industry setting; Analyze problem solutions of real marketing issues in industry setting.

Topics: Global Brand Management; Digital Marketing Strategy; Creative Marketing; Customer Relationship Management; Sustainable Marketing.

MKTG6106 – MARKETING RESEARCH IN PROFESSIONAL PRACTICES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the marketing research result in order to help in marketing decision making; Apply the marketing research result to solve the real marketing problem faced by industry.

Topics: Secondary Data and Qualitative Research; Survey and Observation; Measurement and Scaling; Data Analysis; Report Preparation and Presentation.

MKTG6107– EMPLOYABILITY AND ENTREPRENEURIAL SKILL IN PROFESSIONAL PRACTICES (4 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to enhance the soft skills.

Topics: Team Work; Problem Solving; Interpersonal Skill.

MKTG6110 – MARKETING RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the fundamental principles of marketing research; Demonstrate the marketing research process; Analyze the marketing research result in order to help in marketing decision making.

Topics: The Role of Marketing Research; The Marketing Research Industry and Research Ethics; Problem Definition and The Research Process; Secondary Data and Big Data Analysis; Qualitative Research; Traditional Survey Research; Online Marketing Research; Observation; Experimentation and Test Markets; The Concept of Measurement; Using Measurement Scales to Build Marketing Effectiveness; Questionnaire Design; Basic Sampling Issues; Sample Size Determination; Data Processing and Fundamental Data Analysis; Statistical Testing of Differences and Relationships; Bivariate Correlation and Regression; Multivariate Data Analysis; Communicating the Research Results.

MKTG6118 – DIGITAL MARKETING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the digital marketing fundamentals; Explain the development of digital strategy; Design Marketing communications using digital media channels.

Topics: Introducing digital marketing; Online marketplace analysis: micro-environment; The Internet macro-environment; Digital marketing strategy; The Internet and the marketing mix (product and place); The Internet and the marketing mix (price and promotion); Relationship marketing using digital platforms; Delivering the online customer experience; Campaign planning for digital media; Marketing communications using digital media channels; Evaluation and improvement of digital channel performance; Business-to-business digital marketing practice; Business-to-consumer digital marketing practice.

MKTG6165 – MARKET RESEARCH (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental principles of marketing research; Demonstrate the marketing research process; Analyze the marketing research result in order to help in marketing decision making.

Topics: The Role of Marketing Research; Problem Definition and The Research Process; Secondary Data and Big Data Analysis; Qualitative Research; Traditional and Online Survey Research; Observation; Experimentation and Test Markets; The Concept of Measurement; Questionnaire Design; Basic Sampling Issues; Data Processing and Fundamental Data Analysis; Statistical Testing of Differences and Relationships; Multivariate Data Analysis.

MKTG6167 – EMPLOYABILITY AND ENTREPRENEURIAL SKILL IN INDUSTRIAL EXPERIENCE (3 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team Work, Problem Solving, Interpersonal Skill

MKTG6175 - SERVICE MARKETING MANAGEMENT (4 Credits)

Learning Outcome: On successful completion of this course, students will be able to: Define the concept of service market; Explain the profitable service strategies; Apply the 7Ps of marketing to services; Define the business model and explain the defined business model.

Topics: Introduction to Services Marketing; Consumer Behavior in a Services Context; Positioning Services in Competitive Markets; Market Segment; Developing Service Products and Brands; Distributing Services through Physical and Electronic Channels; Ideation; Setting Prices and Implementing Revenue Management; Promoting Services and Educating Customers; Visual Thinking; Designing and Managing Service Processes; Prototyping; Balancing Demand and Productive Capacity; Crafting the Service Environment; Storytelling; Managing People for Service Advantage; Managing Relationships, Building Loyalty, Complaint Handling; Creating Scenarios; Improving Service Quality, Productivity, organizing for change service leadership.

MKTG6237 – GLOBAL STRATEGIC MARKETING : ASIA PACIFIC PERSPECTIVE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the marketing strategy elements and process; Analyze market environment and customer profile; Design online and offline marketing strategy using traditional and new media and tools.

Topics: The Marketing Concept and Market Orientation; Marketing Fundamentals; The Marketing Strategy Process; Creation of The Competition Positioning; A Framework for Macro-environmental Analysis (The Economic and Political Environment); A Framework For Macro-environmental Analysis (The Social, Cultural and Technological Environment); Changes in Marketing Infrastructure; Five Force Model of Industry Competition and Product Life Cycle; Strategic Groups; Strategic Analysis; Consumer and Customer Profiling; Marketing Research; Organizing Customer Information and Best Practice.

MKTG8005 – MARKETING MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Evaluate the concept of marketing; Describe the consumer and business buyer behavior; Describe the customer-driven strategy and marketing mix; Explain extended marketing issues.

Topics: Marketing: Creating and Capturing Customer Value; Company and Marketing Strategy; Analyzing the Marketing Environment; Managing Marketing Information to Gain Customer Insights; Consumer and Business Buyer Behavior; Customer-Driven Marketing Strategy; Product, Services, and Brands: Building Customer Value; Pricing: Understanding and Capturing Customer Value; Marketing Channels: Delivering Customer Value; Engaging Customers and Communicating Customer Value: IMC Strategy; Creating Competitive Advantage; The Global Marketplace; Social Responsibility and Ethics.

MKTG8006 – CONSUMER BEHAVIOR (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the concept of consumer behaviour in the technology era; Explore the individual characteristics of consumers in the buying behaviour context; Apply communication strategy that fits in the consumer behaviour; Explore the social factors of consumer behaviour; Analyze the consumer decision making process and marketing ethics.

Topics: Technology-Driven Consumer Behaviour; Consumer Research; Segmentation, Targeting, and Positioning; Final Project Discussion; Consumer Motivation and Personality; Consumer Perception; Consumer Learning; Consumer Attitude Formation and Change; Persuading Consumers; From Print and Broadcast Advertising to Social and Mobile Media; Reference Groups and Word-of-Mouth; The Family and Its Social Standing; Culture's and Subculture's Influence on Consumer Behaviour; Cross-Cultural Consumer Behaviour: An International Perspective; Consumer Decision-Making and Diffusion of Innovations; Marketing Ethics and Social Responsibility; Final Project Presentation.

MKTG8122 – MARKETING MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the concept of marketing; Describe the consumer and business buyer behavior; Describe the customer-driven strategy and marketing mix; Explain extended marketing issues.

Topics: Marketing: Creating and Capturing Customer Value; Company and Marketing Strategy; Analyzing the Marketing Environment; Managing Marketing Information to Gain Customer Insights; Consumer and Business Buyer Behavior; Customer-Driven Marketing Strategy; Product, Services, and Brands: Building Customer Value; Pricing: Understanding and Capturing Customer Value; Marketing Channels: Delivering Customer Value; Engaging Customers and Communicating Customer Value: IMC Strategy; Creating Competitive Advantage; The Global Market place; Social Responsibility and Ethics.

SUBJECT AREA: PSYC

PSYC6100 – INDUSTRIAL AND ORGANIZATION PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Discuss the origin, methods, facts, and principles of psychology to people at work; Apply knowledge in organization setting; Integrate knowledge to solve the problem in the workplaces.

Topics: Introduction to organizational and work psychology; Individual differences and diversity management; Motivation and satisfaction; Group behaviour; Communication; Leadership; Human resources planning and job analysis; Recruitment and selection; Induction, training and development; Compensation management; Performance appraisal; Career development; Well-being and dysfunctional behavior at work.

SUBJECT AREA: RSCH

RSCH6026 – RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the concept of research methodology; Identify the steps in the research process; Operate concepts of research methodology.

Topics: Introduction to Research; The Scientific Approach and Alternative Approaches to Investigation; Defining and Refining the Problem; Analyzing The Final Project I; The Critical Literature Review; The Theoretical Framework and Hypothesis Development; Analyzing The Final Project II; Element of Research Design; Measurement of Variables: Operational Definition, Scaling, Reliability and Validity; Data Collection Methods and Sampling; Analyzing The Final Project III; Quantitative Data Analysis; Qualitative Data Analysis; The Research Report.

RSCH6147 - SCIENTIFIC WRITING FOR MANAGEMENT (4 Credits)

Learning outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6148 - CAPACITY BUILDING IN RESEARCH (4 Credits)

Learning outcomes: On successful completion of this course, students will obtain research experience to implementing soft skills.

Topics: Team Work, Communication, Problem Solving & Decision Making

RSCH6151 - SCIENTIFIC WRITING AND IMPLEMENTATION FOR MANAGEMENT (4 Credits)

Learning outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: Introduction: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6338 – RESEARCH DESIGN (8 Credits)

Learning outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6339 – CAPACITY BUILDING IN RESEARCH (3 Credits)

Learning outcomes: On successful completion of this course, students will obtain research experience to implementing 3 of 6 key soft skills and other Skills related with the Job Description.

Topics: Team Work, Communication, Problem Solving & Decision Making, Numerical Literacy, Foreign Language Skills, ICT Skills.

RSCH6340 – RESEARCH EXPERIENCE (8 Credits)

Learning outcomes: On successful completion of this course, students have engaged in “real-world” research under the guidance and support of a mentor in their research field, and the influence of the research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6341 – CAPACITY BUILDING IMPLEMENTATION IN RESEARCH (4 Credits)

Learning outcomes: On successful completion of this course, students will obtain research experience to implementing 3 soft skills remain and other skills related with Job Description.

Topics: Self-Management, Planning & Organizing, Initiative & Enterprise, Numerical Literacy, Foreign Language Skills, ICT Skills.

RSCH6342 – MARKETING RESEARCH EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” marketing research under the guidance and support of a mentor in their research field, and the influence of the marketing research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6343 – SCIENTIFIC WRITING FOR INTERNATIONAL MARKETING RESEARCH EXPERIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain the ability to outline a complete scientific paper in marketing area, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6344 – GLOBAL EES (TEAM WORK, COMMUNICATION, PROBLEM SOLVING & DECISION MAKING) (3 Credits)

Learning Outcomes: On successful completion of this course, students will obtain experience to practice soft skill in implementing marketing research.

Topics: Team Work, Communication, Problem Solving & Decision Making.

RSCH6345 – MARKETING RESEARCH IMPLEMENTATION (8 Credits)

Learning Outcomes: On successful completion of this course, students have engaged in “real-world” marketing research under the guidance and support of a mentor in their research field, and the influence of the marketing research experience on their educational and career interests and aspirations.

Topics: Problem definition; Literature review; Selection of research design, subjects, and data collection techniques; Data gathering; Data processing and analysis; Implications, Conclusions, and Recommendations.

RSCH6346 – SCIENTIFIC WRITING FOR INTERNATIONAL MARKETING RESEARCH IMPLEMENTATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Outline a complete scientific paper in marketing area, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow the students to independently judge whether your paper is ready to submit.

Topics: What did you/others do? Why did you do it?; Methods: How did you do it?; Results: What did you find?; Discussion: What does it all mean?.

RSCH6347 – GLOBAL EES (SELF-MANAGEMENT, PLANNING & ORGANIZING, INITIATIVE & ENTERPRISE) (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain experience to practice soft skill in implementing marketing research.

Topics: Self-Management, Planning & Organizing, Initiative & Enterprise.

RSCH8027 – RESEARCH METHODS FOR INTERNATIONAL BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain scientific alternative approaches to a good business research; Construct business research process to find a solution; Analyze quantitative and qualitative data research; Apply appropriate software packages useful for data analysis; Deploy skills and knowledge to write and present research reports.

Topics: Introduction to Research Methods for International Business; The Scientific Approaches to Investigation; The Alternative Approaches to Investigation; The Broad Problem Area and Defining the Problem Statement; The Research Proposal and Managerial Implications; The Critical Literature Review: An Overview; The Critical Literature Review: The Steps of A Literature Review; Theoretical Framework; Hypothesis Development; Elements of Research Design: Purpose, Extent, and Setting; Elements Research Design: Strategies, Unit of Analysis and Time Horizon; The Data Collection Methods: Introduction and Interviews; Data Collection Methods: Observations; Data Collection Methods: Questionnaires;

The Overview of Experimental Designs; The Validity of Experimental Designs; The Measurement of Variables: Operational Definition; Measurement: Scaling, Reliability, and Validity; Sampling: Representativeness, Process, Techniques, and Designs; Sampling: Confidence, Precision, Efficiency and Relations; Quantitative Data Analysis: An Overview; Quantitative Data Analysis: Hypothesis Testing; Quantitative Data Analysis: Regression Analysis, Multivariate Techniques and Software Packages; Qualitative Data Analysis; The Research Report: The Written Report; The Research Report: The Oral Presentation.

SUBJECT AREA: STAT

STAT6078 – BUSINESS STATISTICS I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of statistic; Apply statistical concept properly; Analyze the statistical methods to solve economic and business problems.

Topics: Data and Statistics; Descriptive Statistics: Tabular and Graphical Presentations; Descriptive Statistics: Numerical Measures; Interval Estimation; Hypothesis Tests; Tests of Goodness of Fit and Independence.

STAT6079 – BUSINESS STATISTICS II (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the concept of statistic; Apply statistical concept properly; Solve economic and business problems.

Topics: Correlation and Linear Regression; Multiple Regression Analysis; Analysis of Variance; Nonparametric Methods: Nominal Level Hypothesis Tests; Nonparametric Methods: Analysis of Ordinal Data.

STAT8067 – BUSINESS STATISTICS I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of statistic; Apply statistical concept properly; Analyze the statistical methods to solve economic and business problems.

Topics: Describing Data: Numerical Measures; Describing Data: Displaying Data and Exploring Data; A Survey of Probability Concepts; Discrete Probability Distributions; Continuous Probability Distributions; Estimation and Confidence Intervals; One Sample Tests of Hypothesis; Two Sample Tests of Hypothesis.

STAT8068 – BUSINESS STATISTICS II (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of statistic; Apply statistical concept properly; Analyze the statistical methods to solve economic and business problems.

Topics: Correlation and Linear Regression; Multiple Regression Analysis; Analysis of Variance; Nonparametric Methods: Nominal Level Hypothesis Tests; Nonparametric Methods: Analysis of Ordinal Data.

SUBJECT AREA: TRSM

TRSM6099 – HOSPITALITY& SERVICE EXCELLENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the importance of hospitality and service excellence as a business value; Demonstrate the knowledge of customer service techniques in dealing with the public and the concept of customer service as a business system; Apply integrated service excellence and service recovery breakdown within hospitality industry as the heart of the business.

Topics: Hospitality Overview; Hospitality through the ages; The Nature of Hospitality Industry; Characteristics of the Hospitality Services; case study; Group Presentation and Discussion; Service Culture; The Customer Service Profession; Consumer Behaviour; Consumer Behavior In Services; Communication, Perception, Attitudes, And Personality; Listening to the Customer; Service Breakdowns and Service Recovery.

5.2 BINUS Business School International Undergraduate Program

5.2.1 Introduction

The campus location of BINUS Business School International Undergraduate Program is at the Joseph Wibowo Center, Jalan Hang Lekir I No. 6, right in the middle of Jakarta's business district. The BINUS Business School – International Undergraduate Program was formerly named Faculty of Business which was launched in September 2001. The students can choose programs with single or dual degrees in Business Management & Marketing, and International Business, as well as a fast track Master's program in Business Management. In 2013, the JWC campus was extended to accommodate a growing body of students. The FX campus was then opened to complement teaching and learning activities.

Learning Goals

By the completion of our program:

1. Management Concept

Each student should be able to comprehend business and management concept.

2. Creative Thinking and Entrepreneurial Skills

Each student should be able to work innovatively by applying their adept thinking, entrepreneurial, and ICT skills.

3. Global Mindset

Each student should be able to perform global mindset in exercising business concept.

4. Ethics

Each student should be able to apply ethical and professional values.

5.2.2 Partners

BINUS Business School International Undergraduate Program has a strong commitment towards providing quality education for all of our students. For our double/dual-degree students in particular, the learning experience may even extend beyond the walls of our campus and national borders. It is because of that commitment that BINUS Business School carefully selects its partners to ensure that our students can obtain the full benefit of having courses taught by our partners, and thereby acquire the second degree.

The quality of our partners has grown over the years and students can now choose to study in partners listed in the top 200 in the world, and have excellent international reputations. We are confident that our students will gain the benefit of the exposure to and experience of learning in a multi-cultural environment. We hope that from that experience our students will acquire not only the hard-skills needed to compete in the job market, but also the soft-skills, such as interpersonal skills in a culturally diverse environment - a necessary competency in this era of globalization.

Our partners at a glance:

1. Bournemouth University

The Bournemouth University (BU) is a youthful and innovative international institution offering a range of high-quality academic courses geared to the professions. BU is dedicated to delivering professionally-focused education. Its aim is to prepare students effectively for their future careers. BU provides a great working and

studying environment, a positive and dynamic atmosphere, all in a wonderful location. BU has grown rapidly in recent years and now has nearly 18,000 students including more than 1,700 international students representing nearly 130 countries from around the world. BU's professional teaching is cutting edge and is closely linked to modern industry. BU values creativity, innovation, partnership and enterprise, has an attitude that is friendly, professional, inclusive and supportive with a truly global outlook. BU offers a warm welcome and friendly environment to students from all over the world including Indonesia. There are currently more than 15 Indonesian students studying at BU. BU is a proud partner of BINUS Business School Program and has been working with BINUS since 2008.

BINUS Business School International Undergraduate Program(s): Double degree in **International Business**.

2. Cologne Business School

Founded in 1993, Cologne Business School (CBS) was one of the first schools in Germany to introduce a Bachelor of Arts degree in International Business. CBS is the business school of the European University of Applied Sciences (EUFH) Rhein/Erft, which was recently rated as one of Germany's top institutions of higher education in the area of business studies. CBS is officially accredited by the German authorities and in addition we received our bachelor program accreditation from the FIBAA (i.e. Foundation for International Business Administration Accreditation, the accreditation board for Germany, Austria and Switzerland).

BINUS Business School International Undergraduate Program(s): Double degree in **International Business and Business Management & Marketing**.

3. IÉSEG School of Management

IÉSEG School of Management is a post-bac business school in France, established in 1964 in Lille. This business school is a member of the Université Catholique de Lille, the largest private university in France in terms of student population and endowment. The school has two campuses, one in Lille and one in Paris. IÉSEG School of Management is ranked 21st in 2015 by the international Financial Times in its Master of Management ranking. As a French Grande Ecole and member of the Conférence des Grandes Écoles, IÉSEG is one of the most prestigious higher education institutions in the country. It has also been awarded two international accreditations: EQUIS and AACSB. The school has a total of 4,300 students on the Lille and Paris campuses. Bachelor and master's programs, the International and Executive MBA are taught in English. IÉSEG collaborates closely with the largest institute of research in Europe, the French National Centre for Scientific Research (CNRS). It was recently recognized as the number 3 business school in France in terms of academic excellence (EducPros/L'Étudiant 2015). The school welcomes 1900 international students; 84% of its permanent faculty is international, and it has a network of more than 235 partner universities in more than 60 countries.

BINUS Business School International Undergraduate Program(s): Master Track in **International Business**.

4. Macquarie University

Macquarie University was established in 1964, with an aim to forge a bold new direction for Australian higher education, to explore new possibilities in teaching methods, research and technology, and to prepare students for success in a rapidly changing world. Now, over 40 years later, Macquarie is a thriving community of over 30,000 students—including 8,000 international students—located on 135 hectares of parkland, a 30 minute drive north-west of Sydney Harbor.

BINUS Business School International Undergraduate Program(s): Double Degree in **Business Management & Marketing**, and Master Track in **Business Management & Marketing**.

5. International College - Ningbo University

Ningbo University, one of the public universities in China, is a dynamic, young and comprehensive university with a wide range of disciplines. The university is located in the historical and cultural city of Ningbo of Zhejiang Province, bordering on the East China Sea. The university is featured by its emphasis on the development of academic disciplines with its mission "seeking truth from facts and applying knowledge to the service of the nation". Ningbo University maintains close links and intercollegiate cooperation with 47 well-known institutions of higher learning in Canada, Germany, France, Britain, USA, Sweden, Japan, South Korea and Australia. Currently, this university accommodates more than 45,000 students, 2,400 full-time academic and administrative staff, and over 200 international students.

BINUS Business School International Undergraduate Program(s): Double degree in **International Business**.

6. Queensland University of Technology

Queensland University of Technology (QUT) is a highly successful Australian university with an applied emphasis on courses and research. Based in Brisbane with a global outlook, it has 40,000 students, including 6000 from overseas. QUT aims to provide outstanding learning environments and programs that lead to excellent outcomes for graduates, enabling them to work in, and guide, a world characterized by increasing change. Courses are in high demand and its graduate employment rate is well above the national average for Australian universities.

BINUS Business School International Undergraduate Program(s): Double Degree **Business Management & Marketing**.

7. Saxion University of Applied Sciences

Saxion University of Applied Sciences is one of leading universities in the Netherlands. The three main campuses located in Deventer, Enschede and Appeldorn offer innovative and entrepreneurial programs. Saxion is committed to developing international competency for its graduates, professors and researchers through research projects, internship, student and faculty exchange. More than 24,000 students study at Saxion and as many as 2,500 international students come from 55 different countries. Students have great opportunities living in a diverse culture, where they can compare experiences with and learn from fellow students of different nationalities and backgrounds. Most of the courses are taught in the English language so the programs are highly accessible for international students.

BINUS Business School International Undergraduate Program(s): Double degree in **Business Management & Marketing**.

8. University of New South Wales (UNSW)

UNSW is renowned for the quality of its graduates and its commitment to new and creative approaches to education and research. Its motto – *Scientia Manu et Mente* ("Knowledge by Hand and Mind") – encapsulates the University's central philosophy of balancing the practical and the scholarly. UNSW is a founding member of the prestigious Group of Eight research intensive universities in Australia and is a member of the Universitas 21 International Consortium. Established in 1949, UNSW has expanded rapidly and now has close to 40,000 students, including more than 7000 international students from over 130 different countries. The university offers more than 300 undergraduate and 600 postgraduate programs, and has developed an extensive network of alumni chapters throughout Asia.

BINUS Business School International Undergraduate Program: Double degree in **International Business**.

9. Victoria University of Wellington

Over the past century, Victoria has established a proud international reputation for academic excellence in teaching and research across all faculties. The university teaches 21,000 students every year, including over 2,800 international students from 80 countries. It is a leading research center in a number of key areas including law, psychology, music, philosophy, literature, geophysics, human geography, logic and computation, biosciences, materials science, management, architecture, politics, international relations and IT. Victoria Business School (Faculty of Commerce) of VUW is among just 58 business schools worldwide that hold the 'Triple Crown' of international accreditations of EQUIS, AACSB (in business and accounting), and AMBA.

BINUS Business School International Undergraduate Program(s): Double degree in **International Business**.

10. Solbridge International School of Business

Solbridge dedicated to producing top business leaders in Asia in all fields: business, politics, the military, and social activism, who will be prepared to be instruments of change in their respective societies. They do not focus only on the "hard skills" needed for such an undertaking, but also on the critically important "soft skills" that provide flexibility, understanding, and interpersonal leadership skills that will help in many environments. SolBridge offers both undergraduate and graduate degree programs in business. All degree programs focus on Asian business and its relation to the rest of the world

BINUS Business School International Undergraduate Program(s): Double degree in **Business Management & Marketing**.

5.2.3 Method of Education Delivery

Modular Content with Problem-based Learning

Since 2010, BINUS Business School International Undergraduate Program has used a Constructive Alignment approach that integrates the design of teaching, learning, and assessment at course and program levels. BUI implements modular content with problem-based learning (PBL) to speed up the process of student-centered learning in selected courses. The modular content refers to a collection of learning resources developed as a single learning object.

Examinations

Examinations, which are conducted by BINUS Business School International Undergraduate Program, consist of course examinations and a thesis (or final project) examination.

• Course Examination

The examination for the majority of courses consists of a mid-semester exam and a final exam. Both mid-semester exam and final exam are conducted once each semester. There are several courses in some programs that do not require students to sit in a mid-semester and/or a final examination.

Other than a mid-semester exam and a final exam, students will also be assessed using other assessment activities in accordance with the published assessment policy, which is defined in each syllabus of the courses.

A course syllabus will be published and made available for each student no later than the second week of a teaching period. The syllabus will also contain information of assessment requirements for the course as follows:

- a) Statements/descriptions of all assessment items, including (possible) due dates;

- b) Procedures to be used in determining the final grade including, where appropriate, a statement of any item/s for which a pass is required in order to gain an overall pass in the course.

- **Thesis (Final Project) Examination**

Upon submitting the thesis report, students will be required to attend a thesis defense examination (viva voce), where students must conduct a presentation and/or demo in front of the examiner board. Normally, this defense exam will take one hour to complete.

The board of examiners consists of three members that includes the students' supervisor and two independent examiners. The student's grade will be the weighted average of the grades assigned by each examiner. Students will be assessed in the areas of effort, content, writing quality and delivery of the thesis presentation. The detailed policy and procedure regarding the thesis defense examination is contained in the Thesis Guidelines provided later.

English Language

To develop the quality of students to an international standard and to educate students in the language of international academia and global business, BINUS Business School International Undergraduate Program uses English as the medium of communication, instruction, and assessment. Textbooks, class delivery, discussions, student presentations, quizzes, and all other forms of assessments including reports and theses are all in English.

To be accepted as a student of BINUS Business School International Undergraduate Program, a potential student has to have a TOEFL score of at least 550 and a TWE score of at least 4.0 or their equivalents. If their TOEFL and/or TWE scores are below the requirement, students have to take a pre-session English course (English Plus Stage One) of 150 hours. BINUS Business School International Undergraduate Program organizes these pre-session English classes especially to enhance the students' ability to deal with an international academic English environment. Students still having difficulty with English on entry are given further help by being enrolled in an English Plus Stage Two course which prepares them for late entry to Academic English I from semester 2.

Since BINUS Business School International Undergraduate Program students study in an English only medium of instruction environment, the current policy of some of our partners is that our students can be accepted without having to go through an international English language test such as IELTS that would normally determine a student's acceptance by a partner university.

Semester Credit Unit (SCU)

The Semester Credit Unit (SCU) system is a way of organizing the teaching and learning in higher education programs as it indicates the academic weight of a course and describes the duration of each activity related to the teaching, learning, and assessment of a course in one semester of an academic year. The SCU system offers some degree of flexibility for students to design their pace of study. Some benefits of an SCU system are:

1. Give a possibility to students to complete their studies within a shorter-than-normal minimum duration of study.
2. Give an opportunity to students to choose courses according to their own interest, talent and capacity.
3. Facilitate the adaptation of curricula to meet with the rapid development of knowledge and technology.
4. Enable an optimal assessment of the students' learning outcomes at course level.

Credit Characteristics

In the SCU system, each course has a weight, that is, a credit value. The number of credit values for specific courses may differ. It is determined by the effort to finish the tasks presented in lecture programs, job training, practical work, and other tasks. In one semester, each course runs for 13 weeks. The weight of each course is measured in credit units. Students can graduate if they have achieved, among others, a minimum of 146 SCU.

One credit is made up of a weekly commitment of:

1. An academic hour of scheduled face-to-face learning in the classroom with an academic staff. This is defined as 50 minutes in BBS.
2. An academic hour of structured academic activity, which has been scheduled and planned by an academic staff (i.e. a lecturer), e.g. a review session or seminar.
3. An academic hour of independent academic activity such as reading, summarizing, working on papers, etc.

Collaborative Learning with Innopeda Curriculum

BINUS Business School International Undergraduate Program is also committed to developing the students' skills in innovation and entrepreneurship. A new learning environment implemented in a curriculum called Innopeda (Innovation Pedagogy) has been specially designed to facilitate the development of these skills. It fosters collaborative learning experience well suited to the needs and characteristic of Gen-Y students. Teamwork skills, innovative idea generation, viable business solutions, and business startups are all the intended learning outcomes aiming to nurture new entrepreneurs at BINUS Business School.

The Innopeda curriculum is centered upon the hatchery courses, which enable students to hatch their innovative ideas into business solutions and startup such as Project Hatchery and Entrepreneurship Hatchery, which become mandatory courses for all BUI students in their early years. During the entrepreneurial enrichment track, Business Model Innovation and Sustainable Startup Creation are follow-up courses designed specifically with design thinking, customer development and lean startup methodology in a multi-discipline environment to stimulate and cultivate the students' entrepreneurial skills.

To support this collaborative and entrepreneurial learning environment, Center for Innovation, Design, Entrepreneurship and Research (CIDER) was established in 2015, which serves as a focal link between your entrepreneurial learning and entrepreneurial career. It develops the core competencies in innovation and entrepreneurship, identifies innovative products or services that have been developed by students, and assists them in commercializing those products and services. It also promotes entrepreneurial thinking and attitude among students by actively involving the students in entrepreneurship projects and providing outlets to exhibit them. The Innopeda curriculum and CIDER immerses students with an end-to-end experiential journey.

5.2.4 Evaluation System

An approximate grade breakdown of the assessment items must be prescribed in the course syllabus. Subsequent changes must be approved by the relevant head of school.

The grading system which is in accordance with the purposes and goals of BINUS Business School International Undergraduate Program is the Absolute Grading System. A letter summarizes the student's academic performance in a course in a single semester and over the duration of the student's enrolment in the course, and is grouped as follows:

Table of Grading System for BINUS Business School International Undergraduate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Distinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Distinction
B-	2.5	70 – 74	
C	2	65 – 69	Pass
D	1	50 – 64	Near Pass
E	0	0 – 49	Fail
F	0	-	Incomplete

Credit Load

In general, a full credit load in a single semester is between 18 and 24 units, depending on the course of study. The specific number of units may vary by semester within this range. Students with a high grade point average may petition the Head of the Programs in which they apply for permission to overload.

At BINUS Business School International Undergraduate Program, 1 credit equals to 36-48 hours/semester with 1 teaching hour consists of 50 minutes/week.

Study load in one semester can be determined by individual ability and by looking at the students' results from the last semester, which are measured by Semester Grade Point Average (IPS/GPS), or all of the semesters by Cumulative Grade Point Average (IPK/GPA).

Semester Grade Point Average (IPS/GPS) is counted as follow:

$$\text{GPS} = \frac{\sum (KN)}{\sum K} = \frac{\sum M}{\sum K}$$

Cumulative Grade Point Average (IPK/GPA) is counted as follow:

$$\text{GPA} = \frac{\sum M}{\sum L}$$

K = Number of credits taken in related semester

N = Weight of each subject taken

M = Conversion Value (K x N)

L = Number of pass credits

Acceptable Academic Performance

Standards of Academic Performance are published in the Student Handbook, available both online and from Student Services at the beginning of each academic year. In general, courses that are considered “core” courses in a major must be passed with the prescribed minimum grade.

For the definition of the core courses by each major, the students can contact the Head of Program. Academic misconduct and the sanctions imposed for instances of misconduct are also defined in the student handbook.

5.2.5 3+1 Curriculum

BINUS Business School International Undergraduate Program has developed a 3+1 curriculum system which refers to a three-year on-campus program at Bina Nusantara University and a one-year off-campus enrichment program (i.e. internship, research, entrepreneurship, community development, and study abroad). The main idea of this program is to reduce the gap between university and industry/society, and to achieve one of our quality objectives to have at least two out of three graduates become an entrepreneur or working at a global organization within six months of graduation.

5.2.6 Students Support Facilities

Academic Advisory

Students from BINUS Business School International Undergraduate Program have the right to receive academic advisory from their Academic Advisor. The consultation may include academic advice, reports of academic achievements, information about results to their parents, and problem solving for academic problems that students experience during their study. The Academic Advisor also aims to motivate students either as individuals or as a group during class. The Academic advisor may advise the students of the courses they need to take or provide them with suggestions for a study plan.

Students are encouraged to schedule a meeting with their academic advisor (who is normally the appointed lecturer or their Head of Program), especially when they are planning their semester courses. Students should meet their academic advisor when they have academic difficulties in their study. It is very important that students seek academic help before their problems or difficulties become more serious and possibly jeopardize their success in studying.

English Language Services

English Language Services (ELS) is responsible for innovating, designing and maintaining programs, and promoting, supporting and resolving communication issues relating to the use of English at BINUS Business School International Undergraduate Program. The English language programs and services for students include English Plus Stage One, English Plus Stage Two and Academic English courses, inter-class competitions, a language clinic, website, social networking accounts and a self-access center for students. In addition, ELS pursues contacts and develops programs and events with English language based entities. Consultation, training, translation, and proofreading for faculty and staff are also provided.

ELS is pursuing a vision of making BINUS Business School International Undergraduate Program a campus of high quality international communication through continual exposure to and immersion in international academic,

professional and general English, not only for faculty, staff, visitors, and resources but among students themselves. Students are also encouraged, in order to continually improve and update their English language ability, to make the most of facilities such as one-to-one consultation sessions with native speakers and expatriate English faculty in the daily English Language Clinic. They are also recommended to contribute extra-curricular involvement in BEST, the student English club responsible for one of the most successful national and soon to be regional high school and university English competitions called E-Com, or to BIPEDS, one of the finest English debate organizations in Indonesia with an international reputation. Students will therefore be well prepared for, and feel at home in communicating in English in an international environment, thus smoothing the transition to studies overseas, and giving students a commanding edge.

Students, Alumni and Global Employability (SAGE)

BINUS Business School International Undergraduate Program aims to provide students with opportunities to gain necessary knowledge, skills, and attitudes required in their future career through extra-curricular activities, as defined in the Student Development Program (SDP). The SDP is managed by the office of Students, Alumni and Global Employability (SAGE) which includes various soft-skills enrichment programs for the students, including the Freshmen Enrichment Program for new students. These activities enhance students' public speaking skills, presentation skills, as well as leadership and organizational skills through their participation in student committee and student club activities.

Some of our regular activities include:

1. **Career Seminar and Career Preparation Training.** Industry experts are invited to give motivation to students on how to build their future career, and what kind of skills that they will need for their career development after they graduated. BINUS Business School International Undergraduate Program usually invites communicative and inspiring speakers to help students plan their career as early as possible.
2. **Campus Hiring and Recruitment.** Facilitating and assisting our companies' partner recruiting needs through our on-campus recruiting program and vacancy information distribution through student mail and website, in helping them to hire Binus Business School International Undergraduate Program graduates.
3. **Leadership Training.** Binus Business School International Undergraduate Program Leadership Training is an annual program aimed to increase the leadership skills of members and future members of student committee and student clubs. Trainings are normally conducted in an off-campus site and involving industry professional schemes, such as outbound and team-building programs.
4. **International Student Activities.** Binus Business School International Undergraduate Program student clubs and student committee regularly organize international activities – involving at least more than two countries as participants - where students can take part to enrich their international organizational skills. Among others is the Regional Youth Leadership Conference (RYLC). RYLC is BINUS BUSINESS SCHOOL international Undergraduate Program's annual flagship program. This student-led international event involves students from the regions in Indonesia and invites prominent speakers from around the world. The aim of the event is to create a movement and a community of global youth to induce change in a multi-cultural world.
5. **Student Mentoring.** The SAGE office also pays serious attention to students in need. To ensure that students with GPA < 2.0 are supported academically, Student Advisory assign mentors to help them with study sessions outside of regular classes.

6. **Buddy Coordinator.** The Freshmen Enrichment Program (FEP) is not just aimed to help new students in adapting to campus life, but it also provides an opportunity for senior students to develop their coaching and guiding abilities. Through the Buddy Coordinator program, senior students will be given soft skills training so they will be prepared in informally assisting new students in their first semester.
7. **Student Counseling.** In order for students to have a conducive study environment, they must also experience positive wellbeing. For personal problems that students feel the need to share in confidentiality, they can discuss it with a counselor, particularly if that personal problem has any effect on their academic performance. Counseling sessions can be arranged conveniently between the student and counselor.
8. **Alumni Sharing.** Binus Business School International Undergraduate Program is very proud to have its alumni around the world and from various industries. SAGE office regularly conducts alumni sharing events with students through face-to-face meetings or teleconference events, especially with our alumni who work abroad.
9. **Alumni Development Program.** The Alumni Lifelong Learning Program is dedicated to the Binus Business School International Undergraduate Program alumni to give opportunities to widen their network and gain knowledge through annual gathering activities. This continuous support improves the quality of our graduates.

Center for Innovation, Design, Entrepreneurship and Research

Center for Innovation, Design, Entrepreneurship and Research (CIDER) was established in 2015 to serve as a focal link between students' entrepreneurial learning and their entrepreneurial career. It maintains and develops the core competencies of entrepreneurship and ensures they are embedded implicitly or explicitly in academic programs at BINUS Business School International Undergraduate Program. It identifies potential products or services that have been developed by students during their studies and assists them in commercializing those products and services. It advocates entrepreneurial thinking and attitudes among students by actively involving the students in entrepreneurial projects and providing outlets to exhibit them. It also builds a connection with similar centers at the international level both for benchmarking and collaboration purposes.

5.2.7 Programs

International Business

Introduction

Located in the heart of Jakarta's capital city and part of the Faculty of Business in BINUS International, the International Business program (IB) is designed to encourage students to demonstrate their competencies in business-related content in an international environment. The program offers Double Degree, Study Abroad, or Master Track programs in various international partner universities. The experience of learning and traveling creates working opportunities through global internships and prepares our students to develop their cross-cultural skills as potential managers and professionals.

The program is designated to cater for ASEAN-related subjects, which accommodates the need to equip the level of understanding of business, as well as cultural aspects in the Southeast Asian region. This aligns with the application of the ASEAN Economic Community (AEC) in 2016 for all ASEAN members. With relevant entrepreneurial skills obtained in class, it is expected that the students will be equipped to grasp a wide range of business environments, both in the ASEAN region and worldwide.

Students are exposed to global business applications and practices from around the world. The program is taught by well-qualified academics from some of the most prestigious business schools and with rich industry experience. The program also draws extensively upon the teaching experience of its international collaborative partner universities. Our international learning experience prepares our graduates to successfully engage with prestigious SMEs and multinational organizations.

Program Description

The International Business program encourages students to undertake Double Degree, Study Abroad, or Master Track programs in various international partner universities. The experience of traveling, living and/or even having internship abroad will bring opportunities for students to develop their cross-cultural skills. Moreover, the students are expected to be exposed to different business applications and practices from different countries. Therefore, all International Business students are obliged to participate in any activity that requires them to go aboard for an international exposure and experience.

The International Business curriculum is designed to meet high expectations of a concise yet comprehensive context in the global business environment and with an entrepreneurial mindset. The program introduced a 3+1 scheme, which enabled students to undergo a 3-year in-class method, and a 1-year out-of-campus experience. The four-year study program is intended to equip students with the fundamentals of international business and management competencies and understanding of doing business in an international context, combined with an in-depth cultural experience. All case studies, readings, and textbooks, related to Southeast Asian (ASEAN) and entrepreneurship are carefully selected to enhance the students' global perspectives. In this program, they will learn practical skills and theoretical knowledge in international business to meet industry standards.

The Head of Program

"The International Business program offers applicable and updated courses related to the business context in Southeast Asia as well as worldwide. Our students are equipped with hands-on business applications and entrepreneurial skills, which enable them to develop their creativity and business-sense capacity. Supported by qualified lecturers from various nations and international standard facilities on campus, the International Business program welcomes prospective students to pursue their goals in developing an international business perspective."

Marko S. Hermawan, MIB, PhD – Head of the International Business Program

Prospective Career of Graduates

A wide range of career opportunities in different industries is introduced in which students will be prepared throughout the four years of study. The integrated curriculum is designed and developed to support students in building on their knowledge and practical skills as well as engaging with industry. Options of career opportunities upon graduating from International Business are:

- International brand manager
- Assistant export manager or import management
- Management trainee in MNCs
- Assistant international marketing development
- Assistant HR in MNCs

- Assistant financial manager in MNCs
- Trade development officer
- International account executive
- Supply chain management officer
- International purchasing officer
- International business analyst
- Diplomat
- Education abroad counselor
- Foreign sales representatives
- International program coordinator
- Entrepreneur

The International Business program provides an internship program for each student wherein the student may face the real challenges in industrial contexts. The program develops the students' ability to be involved in professional practices, and ethical and organizational responsibilities. Furthermore, the industrial internship program provides students with real experience in the workplace and teaches them how to cope with the work environment. In addition, a series of study/field trips to visiting professionals and industries will be conducted to give good grounds for having a broad overview of the industry. These experiences support individual career aspirations and may provide social and professional networks.

BINUS University also provides career support for students by disseminating information on the latest job vacancies, internships, and workshops. This support service can be accessed from www.binuscareer.com.

Award/Degree

- *Sarjana Ekonomi* (S.E.) from BINUS University
- Double Degree with Bachelor of Arts (BA) from Cologne Business School, Germany
- Double Degree with Bachelor of Arts (B.A.Hons.) from Bournemouth University, United Kingdom
- Double Degree with Bachelor of Business Administration (B.BA) from International College of Ningbo University, China
- Double Degree with Bachelor of Business Administration (B.BA) from SolBridge International School of Business, Woosong University, Korea.
- Double degree with Bachelor of Commerce (B.Com) from University of New South Wales, Australia
- Double degree with Bachelor of Commerce (B.Com) from Victoria University Wellington, New Zealand
- Master track degree; *Sarjana Ekonomi* (S.E.) from BINUS University and Master of Science in Management from IESEG School of Management, France

Major and Streaming

Streaming	Specialization	Degree				Partner
		Single	Title	Double	Title	
Business in ASEAN		√	S.E.			-
Asian Business Studies	Business Administration			√	S.E. & B.B.A.	SolBridge International School of Business, Korea
	International Business Administration			√	S.E. & B.B.A.	I-Shou University, Taiwan
	Business Administration			√	S.E. & B.B.A.	Ningbo University, China
Commerce & Management	Accounting, Actuarial Science, Management, Economics, Finance, Human Resource & International Relations, International Business, Commercial Law, Public Policy, Marketing, Taxation, Information Systems			√	S.E. & B.Com.	Victoria University of Wellington, New Zealand
	International Business, Human Resource Management, Management, Marketing			√	S.E. & B.Com.	University of New South Wales, Australia
	Management			√	S.E. & B.A. (Hons.)	Bournemouth University, UK
International Business	International Trade, Marketing Management, Financial Management			√	S.E. & B.A.	Cologne Business School, Germany
Master Track	Management				S.E. & M.G.E.	IESEG School of Management, France

Title: S.E. (Sarjana Ekonomi)

B.B.A. (Bachelor of Business Administration)

B.Com. (Bachelor of Commerce)

B.A. (Bachelor of Arts)

B.A. (Hons.) (bachelor of Arts (Honors))

M.G.E. (Master Grand Ecole)

Teaching, Learning, and Assessment Strategy

The teaching and learning processes are conducted through lectures, tutorials, practical demonstrations and activities, completed with students' independent study. It is the responsibility of the lecturer of a particular course to facilitate all students' learning on the course, who can be assisted by a mentor, if necessary. By having qualified lecturers and guest lecturers from professional industries, the students will be able to gain knowledge from both sides, i.e. theoretical and practical frameworks, through in-depth analysis of case studies, and individual/groupwork projects. For doing their research activities, students can access magazines, books, academic journal in a good quality library – including accessing the online library to get updated academic papers. All course-work is assessed through a variety of assessment tasks such as reports, presentations, assignments, individual and group projects, and thesis/final project report as well as mid-semester and final semester examinations.

A series of extra-curricular activities are compulsory in the International Business program. These activities will allow students to develop their social awareness, competitive and soft skills needed to be prepared for the work environment.

In addition, the innovation habits will be developed through course assessments that emphasize innovation and entrepreneurial skills. Project Hatchery and Entrepreneurship Hatchery are courses that reflect such competence designed by the Center for Innovation, Design, Entrepreneurship and Research (CIDER). Students are required to translate their selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment process of several courses throughout the program.

Study Completion Requirements

To complete a major in International Business with either a single or double degree (DD), students must complete a minimum of 146 SCUs. Available streaming courses are available in this program, namely: Asian Business Studies (DD with SolBridge International School of Business, I-Shou University, or Ningbo University), Business in ASEAN (single degree), International Business (DD with Cologne Business School), Commerce and Management (DD with University of New South Wales, Victoria University of Wellington, or Bournemouth University).

Course Structure

Courses to be taken at BINUS UNIVERSITY (for Single Degree in Business in ASEAN)

Sem	Code	Course Name	SCU	Total
1	ENGL6171	Academic English I	3	20
	CHAR6013	Character Building: <i>Pancasila</i>	2	
	ENTR6091	Project Hatchery	2	
	ECON6080	Economics	8	
	LANG6061	Indonesian	1	
	MGMT6011	Introduction to Management & Business	4	
2	ENGL6172	Academic English II	3	21
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
	MKTG8005	Marketing Management	4	
	LAWS6075	Legal Aspects in Economics	2	
	MATH6116	Mathematics & Statistics for Business	6	
	ISYS6118	Management Information Systems	4	
3	BUSS6143	Global Business Environment	4	23
	CHAR6015	Character Building: <i>Agama</i>	2	
	ENTR6486	Entrepreneurship Hatchery	3	
	COMM8006	Business Communication	2	
	MGMT6012	Human Resources Management	4	
	ACCT6285	Accounting for Business	8	
4	BUSS6144	Introduction to Business Ethics	2	22
	FINC6001	Financial Management	4	
	MGMT6038	Cross Cultural Management	2	
	STAT6138	Advanced Business Statistics	4	
	ECON8009	Managerial Economics	4	
	MGMT6297	Operations Management	4	
	RSCH6065	Research Methodology I	2	
5	(DD program in UNSW, VUW, Ningbo, and SolBridge Universities will depart this semester)			

Sem	Code	Course Name	SCU	Total
5	BUSS6027	Exporting – Importing	4	18
	BUSS6145	Business in ASEAN	3	
	MGMT6107	South East Asian Culture	3	
	BUSS6029	Business in Indonesia	2	
	MGMT6096	Project Management	3	
	MGMT6116	Strategic Management	3	
6	(DD program with I-Shou University will depart this semester)			
	Enrichment Program I		16	16
7	(DD program with CBS and Bournemouth Universities will depart this semester)			
	Enrichment Program II		16	16
8	MGMT6117	Thesis	6	10
	RSCH6066	Research Methodology II	2	
	BUSS6120	Contemporary Issues in ASEAN	2	
TOTAL CREDIT 146 SCU				

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Students will take one of the enrichment program tracks (off-campus).

Option of Streaming/Major taken from partner universities

International Business – Cologne Business School (1-year DD program)		SCU
International Trade		32
Marketing Management		32
Financial Management		32
Asian Business Studies – Ningbo University International College (2-year DD program)		SCU
Chinese Economy		2
International Trade Practice		4
Fundamental Production & Operation Management		4
General Information About China		3
Chinese Culture		4
Chinese Comprehensive		6
Chinese Comprehensive (2)		6
Information System management		2
International Finance		4
Tariffs, Trade and Commercial Policy		4
Advertising		4
Introduction to Managerial Accounting		4
Financial Markets & Institutions		4
Practice for Specialized Course		3
Strategic Management		6
Graduation Practice		4
Commerce and Management – Bournemouth University (1-year DD program)		SCU
Contemporary Issues in Management		4
Strategic Management		4
International Marketing Management		4

Contemporary Employment Studies	4
Research Study	10
Corporate Finance	4
Contemporary Issues in Management	4
Strategic Management	4
Commerce and Management – Victoria University of Wellington (2-year DD program)	SCU
<i>Option of majors:</i>	
Accounting	64
Actuarial Science	64
Commercial Law	64
Economics	64
Finance	64
Human Resource Management and Industrial Relations	64
International Business	64
Management	64
Marketing	64
Public Policy	64
Taxation	64
Information Systems	64
Commerce and Management – The University of New South Wales, Australia (2-year DD program)	SCU
<i>Option of majors:</i>	
International Business	64
Marketing	64
Human Resource Management	64
Management	64

For more information please visit:

<http://www.handbook.unsw.edu.au/undergraduate/programs/2013/3502.html>

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1					v		v					
2					v			v				
3					v				v			
4					v					v		
5	v										v	
6		v									v	
7			v								v	
8				v							v	

Notes:

I : Internship
 RS : Research
 ENTR : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 Other : Program's specific needs

Notes:

Student can choose one of the available tracks.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program			16
BUSS6094	Industry Experience	8	
COMM6360	Advanced Business Communication	4	
BUSS6107	Business in Professional Contexts	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program			16
RSCH6063	Research Exposure	8	
BUSS6108	Business Intelligence	4	
BUSS6105	Business in Professional Contexts	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program			16
ENTR6092	Business Model Innovation	8	
ENTR6096	Creative Business Planning	4	
ENTR6047	Managing Teams and Cultures	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program			16
CMDV6020	Community Development	8	
MGMT6273	Change Management	4	
BUSS6106	Business in Professional Contexts	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
GLOB6085	Elective Course for Study Abroad 1	4	16
GLOB6086	Elective Course for Study Abroad 2	4	
GLOB6087	Elective Course for Study Abroad 3	4	
GLOB6088	Elective Course for Study Abroad 4	4	
GLOB6047	Elective Course for Study Abroad 5	2	
GLOB6048	Elective Course for Study Abroad 6	2	
GLOB6049	Elective Course for Study Abroad 7	2	
GLOB6050	Elective Course for Study Abroad 8	2	
GLOB6051	Elective Course for Study Abroad 9	2	
GLOB6052	Elective Course for Study Abroad 10	2	
GLOB6053	Elective Course for Study Abroad 11	2	
GLOB6054	Elective Course for Study Abroad 12	2	

*) Elective courses for study abroad will be transferred to BINUS University's SCU based on credit transfer policies.

The Table of Prerequisite for International Business Program

Subject		SCU	Smt	Prerequisite(s)		SCU	Smt
MGMT6012	Human Resources Management	4	3	MGMT6011	Introduction to Management and Business	4	1
MGMT6038	Cross Cultural Management	2	4	MGMT6011	Introduction to Management and Business	4	1
RSCH6065	Research Methodology I	2	4	MATH6116	Mathematics and Statistics for Business	6	2
BUSS6027	Exporting – Importing	4	5	BUSS6143	Global Business Environment	4	3
MGMT6096	Project Management	3	5	MGMT6011	Introduction to Management and Business	4	1
MGMT6116	Strategic Management	3	5	MGMT6011	Introduction to Management and Business	4	1
BUSS6145	Business in ASEAN	3	5	BUSS6143	Global Business Environment	4	3
RSCH6066	Research Methodology II	2	8	RSCH6065	Research Methodology I	2	4
MGMT6117	Thesis	6	8	ENGL6172	Academic English II	3	2
				RSCH6065	Research Methodology I	2	4

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6486	Entrepreneurship Hatchery	C
3.	ECON6080	Economics	C
4.	MKTG8005	Marketing Management	C
5.	MGMT6012	Human Resources Management	C
6.	ISYS6118	Management Information Systems	C
7.	BUSS6143	Global Business Environment	C
8.	RSCH6065	Research Methodology I	C

Business Management and Marketing**Introduction**

Business Management and Marketing program has been dedicated to providing students with the highest standard of business management and marketing education with a focus on developing business, marketing, and entrepreneurial skills, all to prepare them to be ready to work for multi-national corporations or to become creative and innovative entrepreneurs. To support this, the program provides the students with various corporate-world related activities, aiming to jump-start the students' corporate and industrial networks. The activities include internship programs in national and multi-national corporations, guest lecture sessions from various industry practitioners and professionals, and applied-research theses where students are required to provide professional consulting services for real companies with real business management and marketing related-problems.

The program emphasizes the understanding and mastery of business management and marketing key concepts, tools, and technology required by future professionals. The content of the program is designed to equip students with

basic scientific business management and marketing paradigms, theoretical frameworks, applied skills, and familiarity with contemporary technology to support their competence as future leaders in business.

The Business Management and Marketing program maintains continuous cooperation with many first-class companies in Indonesia to build a strongly linked network. The aim is to provide wide opportunities for graduate students from BINUS Business School International Undergraduate Program after they graduate, to have an opportunity to work in one of the most reputable companies in Indonesia.

The curriculum at BINUS Business School International Undergraduate Program has been benchmarked to renowned universities around the world. This curriculum is then combined with the Indonesian National Curriculum and several core values developed by BINUS.

Prospective Career of the Graduates

The four year Business Management and Marketing program will provide sufficient skills and confidence for our students to enter the real business world. Equipped with our Marketing and Management degree, students will have a wide range of career opportunities in a variety of industries. Over the past decade, marketing has continued to gain prominence as a dominant orientation in business and as a process deployed by all departments within an organization. Therefore, the role of marketing professionals is vital in any type or size of company, as they act as connectors between customers and companies, including connecting customers to the product or service and to the financial accountability. Some examples of marketing professions that students could aim for are Brand Manager, Product Manager, Brand Executive, Marketing Executive, Marketing Consultant, Market Research Analyst, Director of Sales, and many more. Along with being a marketing professional, students can also develop their own business and become entrepreneurs.

BINUS University also provides career support for students by disseminating information on the latest job vacancies and internships. This support service can be accessed on www.binuscareer.com.

Award/Degree

- Bachelor of Economics (*Sarjana Ekonomi*) from BINUS University.
- Double Degree with Bachelor of Business Marketing (B.Bus.) from Queensland University of Technology (QUT) Business School, Australia.
- Double Degree with Bachelor of Commerce in Marketing (B.Com.) from Macquarie University, Australia.
- Double Degree with Bachelor of Arts in International Business (B.A.) from Cologne Business School, Germany.
- Double Degree with Bachelor of Business Administration (B.BA.) from Saxion University of Applied Science, Netherlands.
- Double Degree with Bachelor of Business Administration (B.BA) from Solbridge University, South Korea
Master Degree with Master of Commerce in Marketing, Finance, Accounting, Business (M.Com.) from Macquarie University, Australia.

Major and Streaming

Streaming	Specialization	Degree				Partner
		Single	Title	Double	Title	
Business Management and Marketing		√	S.E.			-
Marketing	Marketing and International Business			√	S.E. & B.Bus.	Queensland University of Technology (QUT),
	Marketing			√	S.E. & B.Com.	Macquarie University, Australia
	Marketing			√	S.E. & B.B.A	Saxion University of Applied Sciences
International Business	International Business			√	S.E. & B.A.	Cologne Business School, Germany
Business Administration	Business Administration			√	S.E. & B.B.A.	Solbridge University
Master Track	Marketing;				S.E. & M.Com. in Marketing;	Macquarie University, Australia
	Finance;				S.E. & M.Com. in Finance;	
	Business Commerce;				S.E. & M.Com	

Title: S.E. (*Sarjana Ekonomi*)

B.Bus. (*Bachelor of Business*)

B.Com. (*Bachelor of Commerce*)

B.A. (*Bachelor of Arts*)

B.B.A. (*Bachelor of Business Administration*)

M.Com. (*Master of Commerce*)

Double Degree Program in Marketing and International Business – Queensland University of Technology (QUT) Business School.

In cooperation with Queensland University of Technology (QUT) Business School, Australia, BINUS Business School International Undergraduate Program offers a double degree program, where students will be able to obtain S.E. (Binus) and B.Bus (QUT). This program was designed to provide students with skills and knowledge, and experience to thrive in business and marketing in the global context.

The distribution of semesters for this program is as follows:

- The first four semesters will be at BINUS University, following a set of courses agreed by both universities.
- Semester 5, 6, and 7 will be at QUT, Brisbane, Australia, following approximately 48 unit courses each semester. The courses will be determined by QUT.
- The eighth or last semester will be at BINUS University to finish the final thesis. Students who complete this program will be awarded a Bachelor of Business from Queensland University of Technology (QUT), in addition to the *Sarjana Ekonomi* (S.E.).

Double Degree Program in Marketing – Macquarie University.

In cooperation with Macquarie University, Australia, BINUS Business School International Undergraduate Program offers a double degree program with Macquarie University, where students will be able to obtain S.E. (Binus) and B.Com (Macquarie). This program was designed to provide students with skills, knowledge, and experience to thrive in marketing in the global context.

The distribution of semesters for this program is as follows:

- The first four semesters will be at BINUS University, following a set of courses agreed by both universities.
- Semester 5, 6, and 7 will be at Macquarie University, Sydney, Australia. Courses will be determined by Macquarie University.
- The last semester (semester 8) will be at BINUS University to finish the final thesis. Students who complete this program will be awarded a Bachelor of Commerce with Major in Marketing from Macquarie University in addition to the *Sarjana Ekonomi (S.E.)*.

Double Degree Program in International Business – Cologne Business School (CBS)

In cooperation with Cologne Business School, Cologne, Germany, students will obtain S.E. (BINUS) and B.A. in International Business (CBS), with the focus on providing students with international and global experience in business.

The distribution of semesters for this program is as follows:

- First six semesters at BINUS University, following a set of courses agreed by both universities.
- Last two semesters at Cologne-Germany, following required courses determined by Cologne Business School, including a thesis.

Students who complete this program will be awarded with a Bachelor of Arts (B.A.) degree from Cologne Business School, in addition to the *Sarjana Ekonomi (S.E.)*.

Double Degree Program in Marketing – Saxion University

In cooperation with Saxion University of Applied Science, Netherlands, students will obtain an S.E. (BINUS) and B.B.A. (Saxion). This program was designed to provide students with skills and knowledge in business administration. As Saxion is an applied science university, practicality of the concepts in marketing was of the highest importance in this program.

The distribution of semesters for this program is as follows:

- The first six semesters will be at BINUS University, following a set of courses agreed by both universities.
- The last two semesters will be at Saxion, Deventer – The Netherlands following required courses determined by Saxion, including a thesis.

Students who complete this program will be awarded a Bachelor of Business Administration (B.B.A.) degree from Saxion University, in addition to the *Sarjana Ekonomi (S.E.)*.

Double Degree Program in Business Administration – Solbridge University

In cooperation with Solbridge University, South Korea, students will obtain an S.E. (BINUS) and B.B.A. (Solbridge). This program was designed to provide students with skills and knowledge in business administration. As Solbridge is a diverse and thriving university based in one of the most developed country in Asia, the application of different concepts in business and marketing was the focus this program.

Master Track Program

In cooperation with Macquarie University in Sydney, Australia, students will be able to obtain a master degree within 9 semesters. The program is designed to allow students to complete their *Sarjana Ekonomi (S.E.)* degree at BINUS University in seven semesters and then continue with a graduate program for 2 (two) semesters at Macquarie University to obtain a Master Degree. This program also provides students with an array of options on majors such as M.Com in Marketing, M.Com in Finance, M.Com in Accounting, or M.Com in Business.

Teaching, Learning, and Assessment Strategy

The teaching and learning processes are conducted through lectures, tutorials, class discussions, individual and group project discussions. Students are strongly required to study independently and read various business management and marketing-related articles in order to increase their understanding during the lectures. Students gain both theoretical and practical knowledge from our qualified lecturers and guest lecturers who have ample of experience as marketing and business professionals in the industry. In addition, innovation habits will be developed through course assessments that emphasize content comprehension and innovation. Innovation thinking, commonly referred to Design Thinking on the other hand, will be developed through collaboration with the Center for Innovation, Design, Entrepreneurship and Research (CIDER). Students are required to translate their selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment processes of several courses throughout the program.

Study Completion Requirements**Major in Business Management and Marketing**

To complete a major in Business Management and Marketing, students must complete a minimum of 146 SCUs of academic credit. These 146 SCUs comprise:

- 108 SCUs mandatory courses, required for all students taking a major in Business Management and Marketing
- 32 SCUs of one full year out-of-campus enrichment program
- 6 SCUs of final thesis.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ENGL6171	Academic English I	3	20
	ENTR6091	Project Hatchery	2	
	CHAR6013	Character Building: <i>Pancasila</i>	2	
	MGMT6011	Introduction to Management and Business	4	
	ECON6080	Economics	8	
	LANG6061	Indonesian	1	
2	ENGL6172	Academic English II	3	21
	CHAR6014	Character Building: <i>Kewarganegaraan</i>	2	
	LAWS6075	Legal Aspect in Economics	2	
	MKTG8005	Marketing Management	4	
	ISYS6118	Management Information Systems	4	
	MATH6116	Mathematics and Statistics for Business	6	

Sem	Code	Course Name	SCU	Total
3	MKTG6249	Consumer Behavior	3	22
	ACCT6285	Accounting for Business	8	
	COMM8006	Business Communication	2	
	MGMT6012	Human Resources Management	4	
	CHAR6015	Character Building: <i>Agama</i>	2	
	ENTR6486	Entrepreneurship Hatchery	3	
4	STAT6138	Advanced Business Statistics	4	20
	MKTG6229	Pricing Management and Strategy	3	
	MKTG6099	Website Usability and Design	2	
	FINC6001	Financial Management	4	
	MGMT6038	Cross Cultural Management	2	
	MKTG6230	Products and Brand Management	3	
	MKTG6189	Marketing Channels	2	
5	ECON8009	Managerial Economics	4	21
	MKTG6181	Services Marketing	2	
	MGMT6297	Operations Management	4	
	MKTG6250	Web Analytics and e-CRM	3	
	MKTG6182	Digital Campaign and Promotion Management	3	
	RSCH6425	Research Methods in Marketing	3	
	MKTG6184	Social Media and New Media Marketing Strategies	2	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	MKTG6089	Contemporary Issues in Marketing	2	10
	MKTG6251	International Marketing	2	
	MKTG6098	Thesis	6	
TOTAL CREDIT 146 SCU				

Enrichment Program I (6th Semester) & Enrichment Program II (7th Semester):

-) Student will take one of the enrichment program tracks (off campus).

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	Other	I	RS	ENTR	CD	SA	Other
1	v						v					
2	v							v				
3	v									v		
4	v										v	
5		v					v					
6		v								v		
7		v									v	
8			v						v			
9				v			v					
10				v				v				
11				v							v	
12					v			v				
13					v					v		

Notes:

I : Internship
 RS : Research
 ENTR : Entrepreneurship
 CD : Community Development
 SA : Study Abroad
 Other : Program's specific needs

Notes:

Students can choose one of the available tracks.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
MKTG6186	Industry Experience I	8	
MKTG6188	Business Process Improvements	4	
MKTG6187	Business Communication Skills	4	
Enrichment Program II			16
MKTG6217	Industry Experience II	8	
MKTG6215	Marketing Concepts Applications	4	
MKTG6216	Marketing Strategy and Performance Measurement	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Research Exposure	8	16
RSCH6079	Scientific Writing	4	
RSCH6080	Interpretational and Analytical Skills	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6092	Business Model Innovation	8	
ENTR6096	Creative Business Planning	4	
ENTR6097	Managing Teams and Cultures	4	
Enrichment Program II			16
ENTR6093	Sustainable Startup Creation	8	
ENTR6098	Business Networking	4	
ENTR6099	Business Story Telling	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6020	Community Development	8	16
MKTG6218	Marketing Plans for Non-Profit Organizations and Social Movements	4	
MKTG6219	Campaign Management and Skills	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
GLOB6085	Elective Course for Study Abroad 1	4	16
GLOB6086	Elective Course for Study Abroad 2	4	
GLOB6087	Elective Course for Study Abroad 3	4	
GLOB6088	Elective Course for Study Abroad 4	4	
GLOB6047	Elective Course for Study Abroad 5	2	
GLOB6048	Elective Course for Study Abroad 6	2	
GLOB6049	Elective Course for Study Abroad 7	2	
GLOB6050	Elective Course for Study Abroad 8	2	
GLOB6051	Elective Course for Study Abroad 9	2	
GLOB6052	Elective Course for Study Abroad 10	2	
GLOB6053	Elective Course for Study Abroad 11	2	
GLOB6054	Elective Course for Study Abroad 12	2	

*) Elective courses for study abroad will be transferred to BINUS University's SCU based on credit transfer policies.

The Table of Prerequisite for Business Management and Marketing Program

Subject		SCU	Smt	Prerequisite		SCU	Smt
MKTG6249	Consumer Behavior	3	3	MKTG8005	Marketing Management	4	2
MKTG6230	Products & Brand Management	3	4	MKTG8005	Marketing Management	4	2
MKTG6229	Pricing Management and Strategy	3	4	MKTG8005	Marketing Management	4	2
MKTG6181	Services Marketing	2	5	MKTG8005	Marketing Management	4	2
MKTG6250	Web Analytics and e-CRM	3	5	MKTG8005	Marketing Management	4	2
RSCH6425	Research Methods in Marketing	3	5	MATH6116	Mathematics and Statistics for Business	6	2
MKTG6182	Digital Campaign & Promotion Management	3	5	MKTG8005	Marketing Management	4	2
MKTG6184	Social Media and New Media Marketing Strategies	2	5	MKTG8005	Marketing Management	4	2
MKTG6251	International Marketing	2	8	MKTG8005	Marketing Management	4	2
MKTG6189	Marketing Channels	2	4	MKTG8005	Marketing Management	4	2
				MGMT6011	Introduction to Management & Business	4	1
MKTG6099	Website Usability and Design	2	4	MKTG8005	Marketing Management	4	2

Student should pass all of these quality controlled courses as listed below :

No	Course Code	Course Name	Minimal Grade
1.	CHAR6013	Character Building: <i>Pancasila</i>	B
2.	ENTR6486	Entrepreneurship Hatchery	C
3.	ECON6080	Economics	C
4.	MKTG8005	Marketing Management	C
5.	MGMT6012	Human Resources Management	C
6.	ISYS6118	Management Information Systems	C
7.	MKTG6249	Consumer Behavior	C
8.	MKTG6230	Products and Brand Management	C

5.2.8 Course Descriptions

SUBJECT AREA: ACCT

ACCT6285 – ACCOUNTING FOR BUSINESS (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the basic accounting principles and the basic steps in the accounting cycle; describe the four financial statements and how they are prepared; explain and identify the company's assets, revenue and expenses, related to accounting principles; apply management accounting, cost concepts, job order costing, process costing, cost-volume profit; apply budgetary planning and budgetary control and responsibility accounting; and apply standard costs and incremental analysis as tools of management decision making process.

Topics: The course provides students with knowledge of fundamental financial and managerial accounting and the preparation of financial statements for external decision makers, such as stockholders, suppliers, banks and government agencies, and internal decision makers, such as the company's management.

Pre-requisite(s): None

SUBJECT AREA: BUSS

BUSS6027 – EXPORTING – IMPORTING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: understand the nature of export/import management; understand the requirements for export import to different country; understand the process and detail of export/import procedures and how to handle export import documentation; analyze the market; and design export import strategy.

Topics: This course covers the detail of techniques and procedures in carrying out export/import transactions successfully. Documentation and requirements of export/import will also be examined for Indonesia and other regions. On completion of this course, students will be able to understand the fundamentals of export/import as well as the environment.

Pre-requisite(s): International Business

BUSS6029 – BUSINESS IN INDONESIA (2 SCU)

Learning Outcomes: By the end of the course, students must be able to: analyze the influential factors that shape Indonesia's business environment; analyze Indonesia's business potential and its environment; analyze the opportunities and challenges of doing business in Indonesia.

Topics: The course will give students an overview of the Indonesian business atmosphere and its potential which is influenced by domestic and global environments. Through several assignments and activities students will have the opportunity to discover and learn the existing and potential businesses and markets as well as the dynamics of doing business in Indonesia.

Pre-requisite(s): None

BUSS6094 – INDUSTRY EXPERIENCE (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply classroom and laboratory concepts and principles in an industry work environment; establish goals by working with supervision to define work objectives for the internship experience; demonstrate time and project management skills by completing the work objectives within the specified time limits; demonstrate the ability to effectively present ideas and solutions in the context of written, oral, and electronic media; demonstrate the ability to work as a team member to successfully complete the assigned work objectives in an assigned company work group; and demonstrate and promote a proper work ethic.

Topics: This course is a work-based internship in the various industries. Work experience is cooperatively planned by the department and employer to fulfill the student's objectives. In addition to the on-site work projects, each student will participate in weekly activities and assignments designed to assist an individual of achieving the learning outcomes for the course.

Pre-requisite(s): None

BUSS6105 – BUSINESS IN PROFESSIONAL CONTEXTS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Understand how businesses are planned, developed, and organized; Examine how businesses operate in our modern, political, social, and economic environment; Examine the functional areas of business and the corresponding majors in the BINUS Business School; Expand and enrich your business vocabulary and research skills; Create an awareness of the various career

opportunities in business; and Provide an atmosphere in which you can relate personal consumer behavior, work experience and business concepts.

Topics: The course develops students' understanding of business activity in the public and private sectors, and the importance of innovation and change. Learners find out how the major types of business organization are established, financed and run, and how their activities are regulated. Factors influencing business decision-making are also considered, as are the essential values of cooperation and interdependence. Students not only study business concepts and techniques but also enhance related skills such as numeracy and enquiry. The syllabus provides an ideal preparation for the world of work for students.

Pre-requisite(s): None

BUSS6106 – BUSINESS IN PROFESSIONAL CONTEXTS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Upon successful completion of this course, students are expected to be able to: Understand how businesses are planned, developed, and organized; Examine how businesses operate in our modern, political, social, and economic environment; Examine the functional areas of business and the corresponding majors in the BINUS Business School; Expand and enrich your business vocabulary and research skills; Create an awareness of the various career opportunities in business; and Provide an atmosphere in which you can relate personal consumer behavior, work experience and business concepts.

Topics: The course develops students' understanding of business activity in the public and private sectors, and the importance of innovation and change. Learners find out how the major types of business organization are established, financed and run, and how their activities are regulated. Factors influencing business decision-making are also considered, as are the essential values of cooperation and interdependence. Students not only study business concepts and techniques but also enhance related skills such as numeracy and enquiry. The syllabus provides an ideal preparation for the world of work for students.

Pre-requisite(s): None

BUSS6107 – BUSINESS IN PROFESSIONAL CONTEXTS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Understand how businesses are planned, developed, and organized; Examine how businesses operate in our modern, political, social, and economic environment; Examine the functional areas of business and the corresponding majors in the BINUS Business School; Expand and enrich your business vocabulary and research skills; Create an awareness of the various career opportunities in business; and Provide an atmosphere in which you can relate personal consumer behavior, work experience and business concepts.

Topics: The course develops students' understanding of business activity in the public and private sectors, and the importance of innovation and change. Learners find out how the major types of business organization are established, financed and run, and how their activities are regulated. Factors influencing business decision-making are also considered, as are the essential values of cooperation and interdependence. Students not only study business concepts and techniques but also enhance related skills such as numeracy and enquiry. The syllabus provides an ideal preparation for the world of work for students.

Pre-requisite(s): None

BUSS6108 – BUSINESS INTELLIGENCE (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: introduce basic business intelligence terminology; provide you with a managerial overview of data driven decision making; introduce real-world business intelligence examples across different industries; reveal opportunities in improving business performances with business analytics; train your skill in using business intelligence software; expose you to trends in business intelligence; and practice your management skills in business intelligence project

Topics: The course aims at examining Business Intelligence (BI) as a broad category of applications and technologies for gathering, storing, analyzing, sharing and providing access to data to help enterprise users make better managerial decisions. You will learn the principles and best practices for how to use data in order to support fact-based decision making. Emphasis will be given to applications in marketing, where BI helps in, e.g., analyzing campaign returns, promotional yields, or tracking social media marketing; in sales, where BI helps performing for sales analysis; and in application domains such as Customer Relationship Management and e-Commerce. Practical experience will be gained by developing a BI project (case-study) with leading BI software.

Pre-requisite(s): None

BUSS6120 – CONTEMPORARY ISSUES IN ASEAN (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply competitive strategy principles and processes on industries within the ASEAN region; analyze the ASEAN market and business environment in an international competitive context; apply a comprehensive competitive strategy approach along with knowledge of information technology usage to business decision-making in the ASEAN region; demonstrate an understanding of a holistic view of how to compete in business within the ASEAN region.

Topics: This course provides in two parts competitive strategy understanding emphasized on the ASEAN region. The first part of this course gives the useful planning tools to help management interpret market signals, forecast the direction of industry development, and position any company to compete successfully in the long run. The second part of the course explains how a competitive strategy takes offensive or defensive action to create a defensible position in an industry, in order to cope successfully with competitive forces and generate a superior return on investment. Students will learn the basis of above-average performance within an industry as a sustainable competitive advantage.

Pre-requisite(s): Business in ASEAN

BUSS6143 – GLOBAL BUSINESS ENVIRONMENT (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe the different challenges businesses face when firms operate in an international environment; examine the various cultural, political and legal issues that impact international business activity; describe trade and investment theory, foreign exchange and determination of foreign exchange rates, legal aspects, and interaction of business and government; and identify and explain theories, policies and actors of laws in international/Indonesia perspective, the strategy to encounter risks, challenges and opportunities in international business.

Topics: After completing MGMT6011 Introduction to Management and Business, the students are expected to learn and understand the 'macro' perspective of business, including the economic, political, and legal environment of international business. Also, this course illustrates how firms must adapt their strategies and operations as they internationalize. Risks, challenges and opportunities in international business will be discussed here. This course will focus on the environment in which international business and trade are conducted. Providing a macro view of commercial law, ethics and logistics, students will initially discuss the international business and trade in general. There will be a number of case studies and one guest lecturer to enhance the variety of teaching methods.

Pre-requisite(s): None

BUSS6144 – INTRODUCTION TO BUSINESS ETHICS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: recognize the significance of ethics in contemporary business in both the local and international context, and how business ethics influence individual and organizational decision-making; to identify the changing dynamics of business society relationships and associated concepts of stakeholder management, corporate governance and sustainability; and demonstrate understanding of business ethics fundamentals

Topics: This course introduces contemporary issues of ethics, morality and social responsibility that face the business community in Indonesia as well as abroad. From the point of view of business ethics, the course confronts a number of moral and legal issues that arise on both a domestic and international scale and are carried as major ingredients of the violation of good corporate governance principles.

Pre-requisite(s): None

BUSS6145 – BUSINESS IN ASEAN (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: analyze the market and business environment in the ASEAN region; demonstrate critical and creative thinking in understanding the cross-culture and cross-border social issues for solving business problems in the ASEAN environment.

Topics: This course covers the most important steps of the creation and development of ASEAN. The students will gain a full overview of the political, social and economic history of ASEAN countries and their role in ASEAN development. The course will provide cases and examples of international companies and investors' success in ASEAN and some examples of ASEAN companies' globalization. This course will offer the students an understanding of the potential and the importance of ASEAN market in an international competitive market.

Pre-requisite(s): International Business

SUBJECT AREA: CHAR

CHAR6013 – CHARACTER BUILDING: PANCASILA (2 SCU)

Learning Outcomes: Character Building: Pancasila in BINUS University consists of some urgent aspects consists of: the history of Pancasila, Pancasila as a basic and ideology of nation, the religious values, the humanity values, the unity value, the democracy value and the justice value of Pancasila. Upon successful completion of this course, students are expected to be able to: Explain Pancasila as the basic, state ideology, and system of philosophy and ethics; Analyze community issues related to the implementation Pancasila; Apply the values of Pancasila in concern actions.

Topics: Character Building: Pancasila lecturing aims to establish the characters of the students as Indonesian citizens who live their existence by means of authentic and genuine. The topics examined in this study include the history, function and intrinsic values which crystallizes in the Pancasila. It is expected that by studying these topics, students have a comprehensive awareness and understanding of Pancasila as the basic ideological of the state, and a good source of ethical behavior in society and the professional world.

Pre-requisite(s): None

CHAR6014 – CHARACTER BUILDING: KEWARGANEGARAAN (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Describe the civic related concept such as citizen, social values, norms, national resilience, national identity of Indonesia, nationalism; Identify the potential social conflict in Indonesia, potential threats to archipelago, and challenges of national integration; Participate in a community and a global citizen movement

Topics: Character building: Civic Education aims to develop the character of the students as citizens. Through this course, student will be able to build awareness as a citizen of republic of Indonesia; describe the rights and obligations as a citizen; build solidarity amongst citizen; explain the meaning of NKRI (Negara Kesatuan Republik Indonesia). This course is an important part of CB: Pancasila and CB: Religion.

Pre-requisite(s): None

CHAR6015 – CHARACTER BUILDING: AGAMA (2 SCU)

Learning Outcomes: Students are expected to be able to do by the end of the course, which may cover specific technical skills and personal qualities pertaining to the course given. The personal qualities may have been reflected in the defined course learning outcomes or attained separately, outside the curriculum. Upon successful completion of this course, students are expected to be able to: Explain the religious related concepts and the meaning of religious rituals; Describe the meaning and the influence of secularism; Explain the conscience and the roles of religions for building the world peace; Apply the religious values in the workplace and the daily life.

Topics: This course discusses relations between human and God. This course offers religious knowledge and the importance aspects of religious life. Through this course the student is expected to have a personal faith, believe in God, caring for people and the environment, being tolerant and open minded to religious life. This course will be delivered in two ways: in and outside the classroom. This course is also related to CB Pancasila and CB Kewarganegaraan.

Pre-requisite(s): None

SUBJECT AREA: COMM

COMM8006 – BUSINESS COMMUNICATION (2 SCU)

Learning Outcomes: The introductory course is equips students with appropriate skills to effectively communicate through appropriate written and verbal formats with a wide range of audiences in today's dynamic changing business and social scenarios. The teaching and learning approach is participative and deals with essential elements of responsible Business Communication processes to resolve modern day decision-making

Topics: Students will learn building blocks of effective business communication, communication processes, basic business messages, mock interview sessions, CV writing exercises and presentations to managers.

Pre-requisite(s): None

COMM6360 – ADVANCED BUSINESS COMMUNICATION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: communicate ideas clearly and persuasively by strategic choice of structures, vocabularies, logics, and arguments in various formats of business writings, such as memos, resumes, formal reports and proposals; have knowledge and skills in effective oral communication skills, especially in conducting formal business presentations; enhance communication skills as an individual and a team member; negotiate and support various solutions to complex problems by utilizing relevant research and evidence; have a global outlook with understanding, comfort and competence in interacting with colleagues, customer, business partners, even competitors from different cultural/country backgrounds in today's global business environment; improve confidence in handling various kinds of conflict situations with critical coping strategies for conflict and negotiations.

Topics: This course aims at further enhancing communication skills of students for them to succeed in the business world. The course materials are based upon authentic examples of companies currently involved in various aspects of modern business. In order to better prepare students to meet the communication requirements of today's business world, students will undertake the following: reading and analyzing texts, acquiring and incorporating relevant vocabulary from case texts, developing accuracy and logic in writing, and presenting their research in terms of business development and growth strategies. Specific areas of communication to be covered include interpersonal communication, intercultural communication, conflict management and negotiation, written communication, and oral communication. Teaching and learning tools used to achieve better learning outcomes include class readings, case studies, videos, class discussions, role plays, simulations, presentations, as well as lectures and various assessment tools.

Pre-requisite(s): None

SUBJECT AREA: ECON**ECON6080 – ECONOMICS (8 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain demand and supply model; illustrate the basis of choice and decision making; estimate and explain production and cost analysis; identify and explain different types of market structure; explain the methods of measuring economics output; discuss economic growth dependence on financial sector, financial crises and inflation; explain how macroeconomic policies affect both aggregate demand and aggregate supply; describe the regime under fixed, flexible, and partially flexible exchange rates.

Topics: Topics include an introduction to the nature of economics, the private and public sectors of the economy, major economic problems (such as unemployment and inflation), and the use of fiscal and monetary policy and its influence on the economy. This course also gives an overview of the economics behavior such as consumers, workers, firms, and managers. Furthermore, the course present a better understanding and analysis of the interaction and behavior of groups of individuals such as households, industries, markets, labor unions, and trade associations.

Pre-requisite(s): None

ECON8009 – MANAGERIAL ECONOMICS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain economic optimization and its application to business decision-making; estimate demand functions and demonstrate the use of elasticity of demand to quantify the effect of changing market conditions on the firm's sales; analyze production and cost analysis as a means for understanding the economics of resource allocation and employment; identify strategies to manage risk and uncertainty and how uncertainty may impact consumer and firm behavior; analyze market structures and how they affect to business decisions under perfect competition, monopolistic competition, oligopoly and monopoly; identify pricing strategy in business situation and how they affect to business decision.

Topics: This course provides students with a basic understanding of and an ability to apply economic theory and economic tools in managerial decision-making within all kinds of organizations under conditions of uncertainty in a global economy. Managerial Economics is the study of how to direct scarce resources in the way that most efficiently achieves managerial goals. The basic analytical techniques of managerial economics are identifying problems and opportunities, analyzing alternatives, and making optimal choices. These techniques are powerful tools for manager in firms who must make decisions in business functional areas of finance, marketing, productions and accounting. Students will have acquired the skills to identify and develop sound solutions for business economic problems in the areas of demand, supply, production, cost and pricing. Students will also conduct analytical analysis including how to make a business decision under different market structures and different customer behavior. Students will gain knowledge and understanding of how to price a product, benefits of advertising, optimal use of employees and material inputs for production, measuring profit margin, and business strategies for operating such as cost minimization versus profit maximization.

Pre-requisite(s): None

SUBJECT AREA: ENGL**ENG6171 – ACADEMIC ENGLISH I (3 SCU)**

Learning Outcomes: Upon successful completion of the course, students are expected to be able to: read short essays, and skim for the main ideas and important details; organize, build connections between ideas, and exhibit an integration of reading and writing in their written output; use academic style in writing different types of essays; use a wide range of vocabulary and grammatical structures and have a good control of lexical and grammatical features of English; speak confidently, question intelligently and critically, create and give an academic/professional presentation.

Topics: This course is designed to increase student understanding of academic discourse, both written and spoken, and the ability to produce such discourse, at a certain level, in relation to general and student specific studies. Reading skills, such as skimming and scanning, and dealing with unknown vocabulary, are integrated with the production of various essay types, such as expository, comparison-contrast and cause and effect. The course also focuses on the production and performance of professional outputs in the form of oral presentations in relation to students' current studies. Language skills are provided by a workshop series for remediation in grammar, syntax and academic lexis acquisition. The course also emphasizes heavily on other academic skills such as paraphrasing, quoting, summarizing, and referencing.

Pre-requisite: TOEFL 550 AND TWE 4.0 OR a minimum C pass in Pre-Academic English

ENGL6172 – ACADEMIC ENGLISH II (3 SCU)

Learning Outcomes: Upon successful completion of the course, students are expected to be able to: analyze short essays in terms of organization and structure; organize, build connections between ideas, and exhibit an integration of reading and writing in their written output; use academic style in writing different types of essays and reports; use a wide range of vocabulary and grammatical structures and have a good control of lexical and grammatical features of English; speak confidently, question intelligently and critically, create and give an academic/professional presentation; cite, paraphrase, summarize and/or quote sources correctly and apply other research skills in writing.

Topics: This course is designed to increase student understanding of academic discourse, both written and spoken, and the ability to produce such discourse, at a certain level, in relation to general and student specific studies. Reading skills, such as making inferences, drawing conclusions, and dealing with unknown vocabulary, are integrated with the production of various essay types, such as SPSE (Situation, Problem, Solution, Evaluation), argumentative and summary and response. The course also focuses on the production and performance of professional outputs in the form of oral presentations in relation to students' current studies. Language-focused workshops are provided for grammar, syntax, and uptake of academic lexis.

Pre-requisite: A minimum C pass in Academic English I

SUBJECT AREA: ENTR**ENTR6091 - PROJECT HATCHERY (2 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain innovation concept and process to execute it, show innovative and entrepreneurial behavior, and generate innovative solution based on thorough problem identification.

Topics: This course introduces concepts and practice of working in a multidisciplinary team to tackle personal or society challenge in a project setting by adapting creative and innovative process called Design Thinking. Student should focus on the interaction among team members from different background and learn on how to build their idea on top of one another. Therefore, people skill would be the key success factor in this course. Student will be facilitated throughout the process to understand the challenge and see it from different perspective until each team can come up with an innovative solution with a good underlying argumentation.

Pre-requisite(s): None

ENTR6092 - BUSINESS MODEL INNOVATION (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to generate and connect business idea with personal and team motivation, to find problem-solution fit, to prototype product that fit the market, to design and validate business model comprehensively.

Topics: In this course, student can understand how to collaborate in multidisciplinary team and work/rework on a business proposal in a lean process. Student is encouraged to fail often during the process of finding the right business model. Student should go through the process of designing comprehensive business hypothesis and validating the whole business model.

Pre-requisite(s): Entrepreneurship Hatchery

ENTR6093 – SUSTAINABLE STARTUP CREATION (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to prepare scalable execution strategy and operation, to set up company culture and human resource team, to prepare legal documents needed, to identify and tackle all potential risks within the startup creation process, to evaluate/reevaluate personal and team passion with business progress, to assess their existing and previous business model.

Topics: In this course student can execute their business startup as a real company and build their own venture professionally and effectively. By using previous experiences in discovering and validating comprehensive business model, student will be challenged to have concrete action plan for execution in all business functions. Student will assess and validating business model in the investor perspective.

Pre-requisite(s): Business Model Innovation

ENTR6096 - CREATIVE BUSINESS PLANNING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to construct/reconstruct innovative business concept, to create creative business plan, to visualize and communicate business idea.

Topics: In this course, student can understand how to create business plan not only in ordinary model but enhance those ordinary business plan into more creative and attractive model. Start from construct and innovate business, from conceptual and transform it into prototype as well as validate the business model until the business plan can be ready for the pitch.

Pre-requisite(s): Entrepreneurship Hatchery

ENTR6097 – MANAGING TEAMS AND CULTURES (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to set up diverse team properly, to handling difficult people within the team, to communicate in 360 directional, to collaborate with other people from multiple back ground.

Topics: In this course student will get to know other people culture and style, so after passing this subject, student can understand many other people working culture from other nation and can adapt with diversity that may occurs in professional world.

Pre-requisite(s): Entrepreneurship Hatchery

ENTR6098 – BUSINESS NETWORKING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to map stakeholders in particular business area, to approach stakeholders effectively, to develop personal branding as startup founder, and to set up collaboration with the built network.

Topics: In this course student will learn on how to do networking as lifestyle in order to increase their personal brand value at once their startup brand value in the perspective of stakeholders. Student will have to force themselves to be connected to a lot of stakeholders within entrepreneurship ecosystem both in domestic and global network. And also during the course, student is encourage to set as many collaboration as possible to accelerate their business startup.

Pre-requisite(s): Business Model Innovation

ENTR6099 – BUSINESS STORY TELLING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and explain target audience profile, to design/redesign business story in the target audience context, and to pitch business idea effectively to particular target audience.

Topics: In this course student can deepen their understanding on how important is the communication skill in business setting. Student will learn the power and art of communication through story telling. Practice, practice and practice to different kind of target audience would be the main issue during the course using both offline and online approach.

Pre-requisite(s): Business Model Innovation

ENTR6486 – ENTREPRENEURSHIP HATCHERY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain entrepreneurial concept and process to execute; show innovative and entrepreneurial behavior.

Topics: As a continuation of Project Hatchery course, in this course students will learn about what the knowledge, skills, and behaviors an entrepreneur should have. The students will start learning from discussing case studies to running a small entrepreneurial challenge during the course. This course will provide insights for students what it takes to become an entrepreneur and prepare them to take the Entrepreneurship enrichment track in the later semester.

Pre-requisite(s): Project Hatchery

SUBJECT AREA: FINC**FINC6001 – FINANCIAL MANAGEMENT (4 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain the relationship of principles of finance in various financial decision making; Apply various financial analysis tools to evaluate firms' performance; Identify relevant financial information required for each financial analysis; Use spreadsheet in financial decision making process; Describe possible solutions to financial problems using different financial analysis.

Topics: This course is designed for accounting and finance students. It focuses on financial decision making process leading to company's value creation. This course gives intermediate knowledge of the financial statement analysis, mathematics of finance, short-run and long-run financial analysis, and value creation. Specifically, this course will cover topics financial performance analysis, time value of money, risk return trade-off in financial decision making, valuation of bonds and stock, capital budgeting, the cost of capital, capital structure, working capital management, and dividends policy.

Pre-requisite(s): None

SUBJECT AREA: ISYS**ISYS6118 – MANAGEMENT INFORMATION SYSTEMS (4 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain the concept of management information systems and its major role in global business; Explain and evaluate information technology (IT) infrastructures and their components; Identify and explain ethical issues related to the use of technology in business; Apply knowledge management and business intelligence techniques for making decisions; Create a database for organization using Microsoft Access; Manage and analyze data using Microsoft Excel.

Topics: This course will introduce the concepts of management information systems and the various roles that management information systems play in modern organizations and business. The course is designed to provide non-information system students with the knowledge and skills for solving business challenges through information systems by understanding how information systems are designed, built, implemented, and maintained. There will be discussions on business challenges and technologies that can be used to help managers meet these challenges; and how to take advantage of the technologies to design business processes that are effective and efficient.

Pre-requisite(s): None

SUBJECT AREA: LANG**LANG6061 – INDONESIAN (1 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify accuracy of diction and sentence in a paragraph; demonstrate good academic paragraphs; Compose essays academics with an accurate diction, effective sentences, paragraphs cohesion and the proper spelling.

Topics: The course Indonesian as a subject of personality development in college emphasizes students' skills to use Indonesian good and right, especially in preparing the essay academics with diction, effective sentence, and paragraphs coherence, and be able to present it in a variety of scientific language.

Pre-requisite(s): None

SUBJECT AREA: LAWS**LAWS6075 - LEGAL ASPECT IN ECONOMICS (2 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to demonstrate a comprehensive knowledge of legal issues and principles in Indonesian business environment; apply practical knowledge of specific Legal Aspect in Economy issue in real situation.

Topics: This course is designed to introduce students to laws and regulations that have important impact on business. It comprises the concepts of Legal Aspect in Economics that determine the rights, duties and obligations of persons involved in business.

Pre-requisite(s): None

SUBJECT AREA: MATH**MATH6116 – MATHEMATICS AND STATISTICS FOR BUSINESS (6 SCU)**

Learning Outcomes: The course is divided into two parts: Business Mathematics and Business Statistics. Upon completion of the Business Mathematics part, students are expected to be able to: explain basic concepts of arithmetic, algebra, financial mathematics, fundamental calculus; apply appropriate approaches and methods to solve common problems in financial mathematics; and apply appropriate mathematical approaches and methods to solve common problems in business and management areas.

Upon completion of the Business Statistics part, students are expected to be able to explain and apply basic techniques to present and summarize data using descriptive statistics; explain and apply basic concepts of probability and sampling distributions; explain and apply basic techniques in hypothesis testing of one and two samples; and utilize the interpretation of statistical analysis results in decision-making by SPSS.

Topics: This course is designed for business management students and introduces the basic concepts of mathematics and statistics for business decision-making. The topics covered in this course include fundamental mathematical and statistical concepts. Mathematical concepts covered will include mathematical equations, functions and graphs, mathematics for finance, fundamental of calculus; statistical concepts include descriptive statistics, basic probability theory, normal probability distributions, inference of means, hypothesis testing, test of goodness of fit and regression analysis.

Pre-requisite(s): None

SUBJECT AREA: MGMT**MGMT6011 – INTRODUCTION TO MANAGEMENT AND BUSINESS (4 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe and apply the key concepts/theory/frameworks in management; explain the interrelation between the disciplines in management; identify and explain ethical and social responsibility issues in a business context; display leadership and ability to work in group; communicate effectively in written and oral forms; explain relevant knowledge and information of local, national and global business contexts.

Topics: This course covers a broad perspective on management theories and their application in the business, public and voluntary sectors. It provides a foundation to explore issues expanded in the other courses offered within the International Business program. It is an introductory course to business management that defines the different areas of management, which are strategic management, operations management, decision making, culture, human resources, and organizational behavior.

Pre-requisite(s): None

MGMT6012 – HUMAN RESOURCES MANAGEMENT (4 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to Identify and explain the issues, opportunities and challenges relevant to HR management, Communicate effectively on HRM issues, Describe and explain the roles of HRM in local and international company, Describe elements of employee relations, Describe the process of selecting, recruiting, and developing the human resources, Explain and apply employee and employer rights and obligations in a business environment.

Topics: This course provides studies on how organizations manage existing resources in order to support the overall success of the company. It also introduces students to the challenges of human resource management and presents the key concepts, issues and practices without being encyclopedic.

Pre-requisite(s): Introduction to Management and Business

MGMT6038– CROSS CULTURAL MANAGEMENT (2 SCU)

Learning Outcomes: After completing this course, student will be able to: Explain cross cultural concept and its implication towards overall organization.

Topics: Cross Cultural Concept; Eastern and Western Culture; Cultural Dimension and Dilemmas; Culture and Styles of Management; Cultural and its relationship with corporate structure, leadership, strategy, marketing and change in organization.

Pre-requisite(s): Introduction to Management and Business

MGMT6096– PROJECT MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply appropriate project management concepts and create project management documentation based on a set of requirements; elicit user

requirements and present the proposed solutions to a range of audience; and use appropriate software to plan and manage a project.

Topics: This course is designed to teach the most important technical and human aspects of software project engineering and how they inter-relate, to apply the techniques taught in small-to-medium size projects, to provide sufficient knowledge of a project estimation, scheduling, monitoring and controlling tools, and to start to use them in practice.

Pre-requisite(s): Introduction to Management and Business

MGMT6107 – SOUTH EAST ASIAN CULTURE (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate a critical and creative thinking in understanding the cross-culture and cross-border social issues in the ASEAN region; display effective team-working skills in a multi-disciplinary and multi-culture environment in the ASEAN region; display leadership and management skills in multicultural working environment related to ASEAN countries' culture.

Topics: This course provides essential information on history of the different countries of ASEAN. It exposes in-depth knowledge on attitudes, beliefs and behaviour in different countries of ASEAN. Students will receive awareness of basic manners, common courtesies, and sensitive issues. They will learn what to expect, how to behave, feel confident in unfamiliar situations, and develop trust, friendships, and successful business relationships in ASEAN.

Pre-requisite(s): None

MGMT6116 – STRATEGIC MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: define the essentials of strategic management concepts and issues; analyze the environment and strategic issues; analyze the ethical impact of strategies; and explain how to execute the strategy

Topics: The course introduces the core concept of strategic management, the analytical tools to evaluate a company's environment, resources and competitiveness. It emphasizes the development and execution of the strategy.

Pre-requisite(s): Introduction to Management and Business

MGMT6117 – THESIS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Formulate a research question; Apply fundamental business management concepts and/or theories to analyse the research question; develop a research framework (model if applicable) and/or design a solution for a business problem; Adopt a coherent research design, and using appropriate data collection and analysis techniques for the validation of the empirical findings (if applicable); Demonstrate the scientific contribution and practical relevance of the research carried out; Provide a consistent, wellstructured and -argued text of a Bachelor Thesis article; Plan and managing your own learning process; and Present and defending results of your Bachelor Thesis course during the Students' Bachelor Thesis Defense.

Topics: Within the framework of the Bachelor's Thesis course, students will explore different ways of finding information, defining the scope of a project and doing research, as well as different ways of communicating the results. The Bachelor's thesis course includes the stages of defining a topic and formulating a problem statement, selecting and reviewing relevant literature, designing an empirical study as well as performing it, including data collection and analysis, analysing the empirical data, make theoretical conclusions and finally writing and rewriting a written report called a Bachelor's thesis. Students will be supervised at least by one lecturer to write the thesis.

Pre-requisite(s): Research Methodology I; Academic English II

MGMT6273 – CHANGE MANAGEMENT (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: describe in general terms a number of change management theories and how they might apply in practice; articulate what change management is and why it is important in the contemporary business environment; discriminate between different types of change process for different purposes and outcomes; explain how to effectively manage the human aspects of change such as employee engagement in the change process and how to reduce employee resistance to change; highlight particular external issues impacting on a businesses' need to change; identify the steps in putting together an effective change management plan; and apply critical thinking and problem solving skills to the analysis and resolution of change problems as presented in case studies.

Topics: This course is about identifying the need for change, assessing change options, planning for change and then implementing and managing change process through to successful outcomes. Important sub-topics we cover include: overcoming resistance to change; diagnosing organizational problems; being a change leader and equipping employees to work in changed environments. The course includes some important theoretical frameworks for change but is mostly about practice. Case studies from leading multinational companies such as Xerox, IBM and the BBC are examined to help students identify 'real-life' applications of the material covered. The course is case study based.

Pre-requisite(s): None

MGMT6297 – OPERATIONS MANAGEMENT (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain key concepts in operation and supply chain management; analyze the implications of a company strategy to particular operating decisions; analyze current operations and supply chain practices of a real company; identify operations and supply chain problem as well potential solutions for particular problems; perform forecast based on historical data as a tool for aggregate sales & operations planning.

Topics: The course is designed to introduce a proven “best practice” approaches to the supply chain management. It brings together the strategic role of the supply chain, key strategic drivers of supply chain performance and the tools and techniques for supply chain analysis. In addition, students are introduced to the practical experience in using information technology to solve supply chain management problems.

Pre-requisite(s): None

SUBJECT AREA: MKTG**MKTG6098 – THESIS (6 SCU)**

Learning Outcomes: Upon completion of the thesis, students are expected to be able to conduct rigorous research utilizing different research approaches and tools.

Topics: The thesis will enable students to formulate research problems, identify relevant literatures based on the topic chosen, and design as well as execute research. Students will learn how to select and apply relevant research methods according to their research design.

Pre-requisite(s): None

MKTG6099 – WEBSITE USABILITY AND DESIGN (2 SCU)

Learning Outcomes: Students will be familiarized with the concept of website designing. They will have an ability to apply the principles of effective website design for marketing and to understand the technologies and user-centred design processes needed for successful websites.

Topics: This course is designed to provide students with different facets of web design needed to create an effective customer experience and business returns for different types of organisation. It covers the fundamental aspects of website design as well as the different technology platforms used in website development.

Pre-requisite(s): Marketing Management.

MKTG6181 – SERVICES MARKETING (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the principles of service marketing; explain the influence of consumer behavior and expectation in choosing a service product, apply the services marketing concepts in a real business context, and apply good leadership and team-work skills in providing and managing service quality.

Topics: The course introduces the fundamental issues of services marketing. It analyzes the 7 'Ps' of services marketing elements of an organization, which are: product, price, promotion, place, packaging, positioning and people, and other aspects of a non-product marketing base.

Pre-requisite(s): Marketing Management

MKTG6182 – DIGITAL CAMPAIGN AND PROMOTIONS MANAGEMENT (3 SCU)

Learning Outcomes: Upon the completion of this course, student will gain knowledge in managing digital campaign projects, as well as learning the skills to develop creative works online – the key elements that guarantee engagement and a good brand experience. Students should be able to demonstrate the ability to create viral campaigns based on the principles and guidelines of online buzz marketing.

Topics: This course will guide students to define a structured approach in planning for digital marketing projects. It will focus on organization, communication and managing expectations when building interactive projects.

Pre-requisite(s): Marketing Management

MKTG6184 – SOCIAL MEDIA AND NEW MEDIA MARKETING STRATEGIES (2 SCU)

Learning Outcomes: Upon completion of this course, students will be able to distinguish between different applications of digital marketing from the many digital channels that are available, and to evaluate the impact and opportunities of online communications including new developments such as Web 2.0 and social media.

Topics: This course will provide fundamental concepts of how emerging digital platforms will impact strategy and planning in the future. Students will learn how to evolve a robust end-to-end digital strategy by using various frameworks and understand the inter-play between media planning and discipline planning.

Pre-requisite(s): Marketing Management

MKTG6186 – INDUSTRY EXPERIENCE I (8 SCU)

Learning Outcomes: Upon successful completion of industrial experience (internship), students are expected to have hands-on experience of working in a marketing-related position and have a deep understanding of different organizational functions. Furthermore, by the end of the internship period, it is expected that the students will have developed a greater understanding about career options while more clearly defining personal career goals

Topics: This course will enable students to have hands-on experience by working on a project during their internship in that organization. The internship will be six-month long; and by the end of the period, the students will deliver outputs such as an internship report containing the description of their internship place, project handled and self-reflection as well as learning points.

Pre-requisite(s): None

MKTG6187 – BUSINESS COMMUNICATION SKILLS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to develop and refine their oral and written communication skills, utilize analytical and problem solving skills appropriate to business communication.

Topics: This course will cover topics related to communication skills in the business contexts. Students will learn how to apply different business communication strategies and principles to communicate effectively in both local and international business situations.

Pre-requisite(s): None

MKTG6188 – BUSINESS PROCESS IMPROVEMENTS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to have in-depth understanding on how an organization works, the kind of processes that happen inside the organization. Identify weak processes and suggest ways to improve them.

Topics: This course will allow students to understand business process inside an organization and analyze ways in which the business processes can be improved. Furthermore, this course is intended to enable students to learn how to model and analyze business processes, and understand the interactions between human behavior and process design

Pre-requisite(s): None

MKTG6189 – MARKETING CHANNELS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: analyze distribution systems in an industry and utilize them to develop an effective distribution plan within the retail industry; implement practical techniques of distribution into the planning, executing, controlling and auditing of a marketing plan to create value within the channel.

Topics: This course provides students with an understanding of how a firm distributes its product to the market, especially within the retail industry. The course also provides insights on the latest developments and dynamics in distribution and channel management.

Pre-requisite(s): Marketing Management; Introduction to Management and Business

MKTG6215 – MARKETING CONCEPT APPLICATIONS (4 SCU)

Learning Outcomes: Upon completion of this subject, students are able to demonstrate an understanding of essential marketing terminology and concepts, including the marketing concept, market analysis and planning and the marketing mix

Topics: The course will discuss different applications of marketing such as marketing mix, segmentation, targeting and positioning. It will enable student to see the core principles of marketing in action as applied in a real context

Pre-requisite(s): None

MKTG6216 – MARKETING STRATEGY AND PERFORMANCE MEASUREMENT (4 SCU)

Learning Outcomes: Upon completion of this module students will be able to identify marketing metrics that will enable managers to apply the right metrics at the right time. Moreover, the students are expected to be able to apply and understand the relevance of these metrics in the context of real world business/organizations.

Topics: This subject will enable students to learn how to develop and interpret company/marketing performance metrics. In addition to that, this subject will cover topics such as marketing plan and strategy development, integration of marketing strategy and overall organizational objectives, consistency of the marketing strategy with the systems and the organizational structures, as well as required organizational changes associated with the strategy.

Pre-requisite(s): None

MKTG6217 – INDUSTRY EXPERIENCE II (8 SCU)

Learning Outcomes: Upon successful completion of industrial experience (internship), students are expected to have hands-on experience of working in a marketing-related position and have a deep understanding of different organizational functions.

Topics: This course serves as a continuation of the first internship that the students have done. During this course, students will cover topics such as hands-on experiences of working in a team, problem-solving, preparing presentation and report, and other project(s) as assigned by the company.

Pre-requisite(s): None

MKTG6218 – MARKETING PLANS FOR NON-PROFIT ORGANIZATIONS AND SOCIAL MOVEMENTS (4 SCU)

Learning Outcomes: Upon completion of this subject, the students are expected to be able to apply their knowledge of marketing by utilizing different planning and implementation tools to improve organizational and societal performance

Topics: This course will address different issues related to managing non-profit organization from marketing perspectives. It will also discuss the use of marketing techniques by nonprofit organizations to reach and involve its stakeholders. In this course, students will learn to examine the role of marketing in a nonprofit organization's as well as develop a marketing plan for either non-profit organization or social movement.

Pre-requisite(s): None

MKTG6219 – CAMPAIGN MANAGEMENT AND SKILLS (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to develop an effective campaign which brings together a range of public relations and other communication tools and demonstrate proficiency in strategic planning and management of campaign programs for non-profit organizations and societal movements.

Topics: This course will discuss different parameters and frameworks utilized in managing communication campaigns for non-profit organizations and societal movements. In addition to that, this course will involve setting up measurable campaign objectives, developing creative message strategies, identifying relevant media purchasing plans, and tracking communication effectiveness

Pre-requisite(s): None

MKTG6229– PRICING MANAGEMENT AND STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: analyze the business and market environment, discriminate specific market situation, and utilize the information to create the finest pricing strategy; understand and apply the different aspects of pricing before planning, executing, controlling and auditing a marketing plan.

Topics: This course provides a comprehensive, practical, step-by-step guide to pricing analysis and strategy development. It gives an overall understanding of all aspects of pricing, from establishing the marketing objective(s), determining the supply and demand schedule, estimating costs, examining competition, and in selecting the final price.

Pre-requisite(s): Marketing Management

MKTG6230– PRODUCTS AND BRAND MANAGEMENT (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to: explain basic concepts of brand management and brand equity; identify and analyze the impact of various business environments toward product and brand management; apply the market analysis on brand management; design a new product and apply branding strategy in order to build the brand equity; explain and apply professional and ethical responsibilities in designing market offerings and in branding strategy.

Topics: The course provides an understanding of the importance of brands in general and its role in supporting the product. Students also learn the concept of brand equity, and most importantly how to measure the brand equity as a way to determine the strength of the brand.

Pre-requisite(s): Marketing Management

MKTG6249 – CONSUMER BEHAVIOR (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: explain the principal theories of consumer behavior and consumer decision process; identify and describe internal and external factors that influence consumption behavior; analyze how consumer behavior affects business and marketing strategy; apply knowledge of consumer buying behavior to enhance strategic decision-making; apply professional and ethical responsibility in building customer relationships.

Topics: This course provides studies on the examination and application of consumer behavior principles as well as the impact of how consumers think, feel and behave towards the development and implementation of the marketing strategies.

Consumer behavior theories will be useful in the whole process of planning marketing strategies, starting from the development of new products, segmentation, product launching, brand management, and ultimately managing the customers' experience.

Pre-requisite(s): Marketing Management

MKTG6250 – WEB ANALYTICS AND E-CRM (3 SCU)

Learning Outcomes: The objective of the course is to provide the understanding of how CRM and digital marketing share a strong synergy. The course will also give some highlights about digital analytics to understand consumers' insights. Upon the completion of this course, students will have the knowledge of the benefit of the available digital data such as customer profiling and segmentation in the online world and to take the benefit of online media to develop customer engagement strategy.

Topics: This course will allow students to appreciate the major issues in collecting, managing, storing and using customer data from within digital media. The course will explore what are the factors that drive successful e-commerce and get a deeper insight into some of the biggest e-CRM programs in the world.

Pre-requisite(s): Marketing Management

MKTG6251 – INTERNATIONAL MARKETING (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze the international business and market environment, discriminate specific market situation, and utilize the information to create a winning plan suited for international marketing programs; communicate the marketing programs to different types of market, by accommodating the intercultural differences faced by international marketing practices.

Topics: The course provides a thorough coverage of the International Marketing subject with an emphasis on the planning and strategic problems confronting the cross cultural market boundaries. It exposes students to the more challenging sides of marketing across market while considering the differences in history, geography, politics, economy, legal and cultural environments that lead to a different market demand and marketing strategies.

Pre-requisite: Marketing Management

MKTG8005 – MARKETING MANAGEMENT (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to acquire a good understanding of consumer market place and ability to analyze marketing environment. Students are expected to acquire good comprehension of marketing strategies and marketing plans, to acquire a good understanding of the value creation process, marketing ethics and marketing research.

Topics: This course is intended to be the first gateway to the world of marketing. It provides fundamental theories, concepts and techniques in the science of marketing and gives students the foundation of what marketing is all about.

Pre-requisite(s): None

SUBJECT AREA: RSCH

RSCH6065 – RESEARCH METHODOLOGY I (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify and explain research problems in International Business; apply critical thinking in analyzing research problem; apply appropriate approaches and techniques in designing a research project; apply appropriate data analysis software in the research process; design and execute research project in groups; communicate research ideas and design effectively in verbal and written form.

Topics: Students will develop skills in applied business research and project management in an international context. The dynamic nature of international business activities demands any business graduates to be able to critically evaluate and make decisions based on findings of a research. This course is designed in order to develop students' knowledge and skill in the research process, thus preparing them to start their own research activities in the context of international business. Topics covered in this course will equip students to conduct the following: problem identification, critically review the literature, selection of research designs, data collection and data analysis, and research report writing and presenting.

Pre-requisite(s): Mathematics and Statistics for Business

RSCH6066 – RESEARCH METHODOLOGY II (2 SCU)

Learning Outcomes: All students are required to write a thesis in their final year, and they need to be prepared for it. This advanced course is designed to familiarize students with basic steps and methods in conducting research projects on a small scale.

Topics: This course equips students with the skills to conduct the following: problem identification, literature review, selection of research designs, data collection and data analysis, and thesis writing. At the end of semester, students are required to submit and present a group-work on their research proposal by the end of the course.

Pre-requisite(s): Research Methodology I

RSCH6079 – SCIENTIFIC WRITING (4 SCU)

Learning Outcomes: Upon completion of this subject, students are expected to be able to write concisely, and accurately and present their scientific ideas clearly. Moreover, students are expected to be gain deep understanding on how to gain primary and secondary data and eventually evaluate, integrate and synthesize ethically the necessary information and visuals for the completion of a research project.

Topics: This course is designed to introduce students to basic scientific writing skills. Students will learn the general principles of academic writing, and will apply these principles to writing for a scientific or non-scientific audience

Pre-requisite(s): None

RSCH6080 – INTERPRETATIONAL AND ANALYTICAL SKILLS (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to effectively incorporate appropriate scientific exhibits (visuals, graphs, charts, etc) for designing presentations and research reports. Besides that, the students are expected to be able to come up with sound analysis and interpretation based on the research data that they have collected.

Topics: This course will address and develop students' skills to visualize and analyse marketing information so as to make sound marketing decisions. In addition to that, the students will also be introduced to variety of analytical tools that can be used to analyze data and ways to present the necessary information to the decision-makers.

Pre-requisite(s): None

RSCH6425 – RESEARCH METHODS IN MARKETING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: conduct marketing research, interpret the outcome of the research and utilize it in developing strategic marketing plan; analyze business environment and utilize the information to give engaging recommendations pertaining to the research findings.

Topics: The course introduces students with basic bivariate and univariate data analysis technique to design and execute a basic survey research project. It also gives an understanding of formulating and structuring marketing problems by recommending the most appropriate market research that should be undertaken, design said market research, gather and analyze the quantitative data, and make accountable decisions based on that data.

Pre-requisite(s): Mathematics and Statistics for Business

SUBJECT AREA: STAT

STAT6138 – ADVANCED BUSINESS STATISTICS (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: Explain basic techniques in hypothesis testing more than two samples; Explain basic techniques in chi square test; Explain basic techniques in correlation and regression analysis; Utilize the interpretation of statistical analysis result in decision making; Utilize statistical software to run and analyze data.

Topics: The topics covered in this course include inferences about population; comparing multiple proportions, test of independence and goodness of fit; One Way ANOVA; simple linear regression; residual analysis; multiple regression, determination, prediction and variables; time series analysis and forecasting; non-parametric methods. The use of statistical software using SPSS is introduced and encouraged in order to better present the data summary and automate statistical calculations.

Pre-requisite(s): None

5.3 BINUS Business School Master Program

5.3.1 Introduction

BINUS BUSINESS SCHOOL (BBS) Master Program opened its doors in 1993; and since then it has undergone several transformations. When the school started, the driving factor was to build a bridge for the university's alumni who had strong technical expertise in computing, but lacked managerial and other business function skills. Current curriculum design has been developed in such a way that students of BINUS BUSINESS SCHOOL Master Program will have received cutting-edge management knowledge and competencies to improve and enhance the value of a corporation. The programs offered by BINUS BUSINESS SCHOOL Master Program lead to Magister Manajemen (MM) degrees, and have received an A-grade accreditation from the national accreditation body in 2011.

Currently, there are several programs offered within this business school, which can be categorized into four groups based on the students' working experience and preference of the teaching-learning process in the program. The programs offered are as follows:

- MM Young Professional Business Management or Creative Marketing
- MM Professional Business Management
- MM Business Management – Blended Learning
- MM Executive Management

In all programs, learning is facilitated through a collaborative-experience based approach that combines the traditional interactive lecturing method with case studies, team learning, CEO Speaks, role plays, and simulation. To help students put their study in context, BINUS BUSINESS SCHOOL Master Program has developed and written case studies using local Indonesian companies as subjects. The case studies describe business dilemmas in an Indonesian setting, and have been proven to be a very useful learning tools in class. The BINUS BUSINESS SCHOOL Case Centre has written over 100 cases, and has been awarded a MURI award for writing the most case studies in 3 years.

Learning Goals

By the completion of our program:

1. **Critical Thinking**

Each student should be able to critically identify problems/issues in management, create innovative solutions, and develop recommendations and implementation plans.

2. **Leadership**

Each student should be able to develop the required understandings and prioritize suitable leadership concepts.

3. **Communications**

Each student should be able to build effective communication skills using appropriate ICT tools.

4. **Ethics**

Each student should be able to propose responsible decision with enhanced sensitivity to various stakeholders which are affected by management decision.

5.3.2 Study Requirements

Attendance

Minimum attendance of 70% is required for students to be eligible to undertake the final examination/assessment. 30% allowable absence includes for sickness, personal affairs and force majeure.

GPA & Grade

- A student should pass all required courses and have a minimum GPA ≥ 3.00 to graduate.
- The minimum passing grade is a B. Any course obtained with a grade less than B must be retaken, even if the GPA is above 3.00.

TOEFL

MM Young Professional	MM Professional	MM Executive
≥ 475	≥ 500	≥ 500

The minimum TOEFL level required to be admitted into the three programs are ≥ 475 , ≥ 500 and ≥ 500 for MM Young Professional, MM Professional and MM Executive respectively.

5.3.3 Programs

MM Young Professional Business Management

Introduction

The MM Young Professional is a Master of Management (MM) program designed for fresh graduates (Strata-1 or equivalent) and those with little professional working experience. This program is designed for those who need to complement their previous undergraduate degree with mastery in general management skills and competencies. The program also provides knowledge and skills in innovation and entrepreneurship that equip the students to launch their own businesses or become entrepreneurs in established firms.

The MM Young Professional is a 42 credit program consisting of knowledge in functional areas, innovation, entrepreneurship, communication and interpersonal skills, business ethics and a capstone course in strategic management. Participants are also exposed to courses related to Information Systems (IS). Upon the completion of the study, students are expected to earn knowledge and skills in general management according to the most current conceptual and analytical developments in managerial practice. They will also have insights into developing and implementing sustainable customer value. Moreover, they will have soft-skills in aligning and balancing the various and often conflicting needs and demands of the many groups of stakeholders in play: shareholders, workers, community, media, government and the public at large.

BINUS BUSINESS SCHOOL faculty members bring real-world professional and consulting experience to the classroom, consistently imparting and sharing the wisdom of their experience to the participants. They integrate a mix of teaching methodologies including, but not limited to, traditional lectures, guest lectures, case studies, class presentations, summaries, and field projects. The participant will learn to develop strong oral and written

communication skills, effective team management, and leadership abilities. A faculty advisor will also assist participants in accomplishing their theses.

This program provides a learning environment that offers participants opportunities to develop meaningful and beneficial professional relationships between themselves and with the faculty, and also encourages intellectual challenge and exploration.

Award/Degree

- MM degree from BINUS UNIVERSITY

Study Completion Requirements

To complete a MM degree (in Business Management) at BINUS BUSINESS SCHOOL Master Program, students must complete a minimum of 42 SCUs, all of which are mandatory courses.

Teaching, Learning, and Assessment Strategy

The teaching, learning and assessment methods used in the program, such as case studies, in-class exercises, simulations, group projects, assignments and presentations, are designed to enhance the students' capability in problem identification and analysis, understanding strategic alternatives and exchanging ideas. Students are learning theories, concept and best practice from faculty staff who have strong academic background and an average of 15 years business experience. This learning process would provide students with good grounds for understanding a broad overview of the industry. On occasions, the program also invites visiting professionals as guest lecturers, which aims to give good grounds for having a broad overview of the industry. These experiences support individual career objective and may provide social and professional networks. Furthermore, the regularly-held CEO, CFO and CMO guest seminar events also enrich students with new perspectives on how to relate theoretical foundations they study in the program with current practices.

Innovation will be developed through course assessments that put emphasis on content comprehension and innovation. Innovation thinking, commonly referred to as 'design thinking', will be developed through some courses in the program. Students are required to translate selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment process of several courses throughout the program.

At the end of the program, students are required to write a thesis and publish a research paper in a peer-reviewed journal as the assessment of students' comprehensive understanding of business management concepts learnt in the program.

Employability and Career Support

A wide range of career opportunities at managerial level (such as business development manager) in business and management domain covering services and manufacturing industry, as well as private and public enterprises, would offer vast opportunities for students after their successful completion of this eighteen-month program. The integrated curriculum is designed, developed and prepared to support students in building on their technical and non-technical skills to face industry challenges.

Course Structure

MM Young Professional Business Management consists of following courses:

Sem	Code	Course Name	SCU	Total
1	ACCT8144	Accounting for Managers	3	15
	STAT8097	Business Statistics	3	
	ENTR8034	Design Thinking and Entrepreneurship	3	
	RSCH8076	Research Methodology	3	
	MKTG8073	Marketing Fundamentals	3	
2	MGMT8039	Contemporary Issues in Management	1	13
	MGMT8090	Operations Fundamentals	3	
	ISYS8241	Information Systems Management	3	
	FINC8059	Financial Fundamentals	3	
	MGMT8089	Strategic Management in Business	3	
3	MGMT8042	Leadership & Organizational Behavior	2	14
	MGMT8088	Thesis	6	
	BUSS8022	Ethics & Social Awareness	3	
	MGMT8041	Human Capital Management	3	
TOTAL CREDIT 42 SCU				

MM Young Professional Creative Marketing

Introduction

Marketing is about the whole business seen from the customer's point of view (Drucker, 1954).

The MM in Creative Marketing is a Master of Management (MM) program designed for fresh graduates (Strata-1 or equivalent) and those with little professional working experience. This program is designed for those who have passion in the marketing field and decide to pursue a career in marketing-related areas. In Creative Marketing, students will not only learn about promotion and sales related courses, but will also learn how to sense the market, craft new proposition, acquire customers, managing customer relationship, ensure the delivery of proposition and evaluate the return on investments. The program provides knowledge and skills in innovation, creative problem-solving, and cultivating entrepreneurial spirit by leveraging the development of ICT. This equips the students should they decide to launch their own businesses or become entrepreneurs in established firms.

BINUS BUSINESS SCHOOL faculty brings real-world professional and consulting experience in the area of creative industries, consumer goods, multimedia, and information communication technology to the classroom. The faculty members are consistently imparting and sharing the wisdom of their experiences to the participants. They integrate mixed teaching methodologies including, but not limited to, lectures, case studies, discussions, class presentations, summaries, and field projects.

Award/Degree

- MM degree from BINUS UNIVERSITY

Study Completion Requirements

To complete MM degree (in Creative Marketing) at BINUS BUSINESS SCHOOL Master Program, students must complete a minimum of 42 SCUs, all of which are mandatory courses.

Teaching, Learning, and Assessment Strategy

The teaching, learning and assessment methods used in the program, such as case studies, group discussion, individual/group project assignment and presentation, and consulting project with a real-life client, are designed to enhance the students' capability in applying comprehensive marketing approaches in decision making process and to sharpen their critical and creative problem-solving skills. The problem-based learning will train students to be a hands-on marketer by solving the real clients' problems in marketing lab in the class and to develop necessary marketing research skills to get consumer insights in the marketing lab facilities. The utilization of ICT to support learning and decision making will also be encouraged.

The innovation habit will be developed through course assessments that put weight on content comprehension and innovation. The innovation thinking approach, or commonly referred to as Design Thinking, will equip students with necessary skills to innovate. Students are required to translate their selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment process of several courses throughout the program.

Additional events such as Market Update in the beginning of period, CMO Chat as well as guest lecturers will also give students a new perspective on how to relate theoretical marketing foundations with current practices and give them exposure to social and professional networks. At the end of program, students are required to write thesis that will assess students' comprehensive understanding of marketing concepts learnt in the program.

Employability and Career Support

A wide range of career opportunities in marketing area such as market analyst, market researchers, digital marketers, brand manager, product development manager, data scientist, advertising manager as well as entrepreneur would be available in the market for students after completing the eighteen months of study program. The integrated curriculum is designed, developed and prepared to support students in building on their technical and non-technical marketing skills as well as engaging with the related industry.

Course Structure

MM Creative Marketing consists of following courses:

Sem	Code	Course Name	SCU	Total
1	FINC8008	Financial Fundamentals for Marketing	3	15
	MKTG8010	Strategic Marketing Planning	3	
	RSCH8069	Research Methodology for Marketing	3	
	MKTG8074	Consumer Behavior	3	
	ENTR8034	Design Thinking and Entrepreneurship	3	
2	MKTG8009	Contemporary Issues in Marketing	1	16
	COMM8159	Creative Marketing Communication	3	

Sem	Code	Course Name	SCU	Total
2	MKTG8077	Digital Marketing & Multimedia	3	16
	MGMT8089	Strategic Management in Business	3	
	MKTG8075	New Product Development & Channel Management	3	
	MKTG8076	Branding & Value Creation	3	
3	BUSS8022	Ethics & Social Awareness	3	11
	MGMT8088	Thesis	6	
	MGMT8042	Leadership & Organizational Behavior	2	
TOTAL CREDIT 42 SCU				

MM Professional Business Management

Introduction

The MM Business Management is a Master of Management program designed for those professionals with some managerial experience, and who are preparing themselves to be strategic business leaders. Conducted fully in English, this program is designed for those seeking better understanding of and acquiring the skills and competencies in managing and sustaining firm competitiveness in a hypercompetitive environment.

The MM Business Management is a 42-credit program consisting of subjects that walk students through various functional areas. Students will also learn the skills required for making good and executable business decisions. Apart from the acquisition of hard skills, students will also learn to improve their soft skills in leadership and organization. In general, the program emphasizes rigorous analytical and strategic thinking, which is a basic fundamental need for business leaders. The participants will be challenged not only to understand the theoretical underpinnings of the courses, but also to implement their understanding in solving real-world business problems.

BINUS BUSINESS SCHOOL faculty members bring real-world professional and consulting experience to the classroom, consistently imparting and sharing the wisdom of their experience to the participants. They integrate a mix of teaching methodologies including, but not limited to, traditional lectures, guest lectures, case studies, class presentations, summaries, and field projects. The participant will learn to develop strong oral and written communication skills, effective team management, and leadership abilities. A faculty advisor will also assist participants in accomplishing their theses.

The program attempts to provide a learning environment that offers participants opportunities to develop meaningful and beneficial professional relationships, as well as high levels of interactions between themselves and with the faculty members. The classroom interaction will also encourage intellectual challenge and exploration.

Award/Degree

- MM degree from BINUS UNIVERSITY

Study Completion Requirements

To complete MM degree (in Business Management) at BINUS BUSINESS SCHOOL Master Program, students must complete a minimum of 44 SCUs, all of which are mandatory courses.

Teaching, Learning, and Assessment Strategy

The teaching, learning and assessment methods used in the program, such as case studies, in-class exercises, simulation, group project assignments and presentations are designed to enhance the students' capability in problem identification and analysis, developing strategic recommendation and exchanges of ideas. Students are learning theories, concepts and best practices from faculty members with strong academic background and 15 years business experience on average. On occasions, the program also invites visiting professionals as guest lecturers to give broad and practical overviews and challenges of various industries. These experiences support the students' individual career objectives and in addition may provide enhanced social and professional networks. Furthermore, the regularly-held CEO, CFO and CMO guest seminar events also enriches students with new perspectives on how to relate theoretical foundations they learned with current business practices, and the corporate challenges they face.

Innovation will be developed through course assessments that put emphasis on content comprehension and innovation. Innovation thinking, commonly referred to as 'Design Thinking', will be developed through courses in the program. Students are required to translate selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment process of several courses throughout the program.

At the end of the program, students would be required to complete a final thesis that would assess students' comprehensive understanding of business management concepts learnt in the program. With English as the formal language of instruction, the program is expected to ensure that our graduates are ready to enter the international workplaces.

Employability and Career Support

A wide range of career opportunities in business and management in services and manufacturing industry, as well as in private and public enterprises, will be available to students after successful completion of this eighteen-month program. The integrated curriculum is designed, developed and prepared to support students in building their technical and non-technical skills to face industry challenges. An internship program with several national and multinational firms is also available for the students to participate with support from our Students and Alumni Relations office.

At the end of the program, students are required to write a thesis and publish a research paper in a peer-reviewed journal as the assessment of students' comprehensive understanding of business management concepts learnt on the program.

Course Structure

MM Business Management consists of subjects covering various business functions, IT and soft-skills related, and consolidating capstone courses as follows:

Sem	Code	Course Name	SCU	Total
1	ACCT8144	Accounting for Managers	3	15
	MKTG8072	Marketing Management	3	
	ISYS8240	Information Technology for Management	3	
	RSCH8076	Research Methodology	3	
	ECON8020	Managerial Economics	3	
2	MGMT8039	Contemporary Issues in Management	1	15
	MGMT8087	Operations & Supply Chain Management	3	
	ENGL8196	Academic English for Professionals	2	
	MGMT8207	Management Consulting Field Project	3	
	BUSS8021	Corporate & Business Strategy	3	
	FINC8052	Corporate Finance	3	
3	MGMT8042	Leadership & Organizational Behavior	2	14
	MGMT8088	Thesis	6	
	BUSS8020	Business Ethics	3	
	MGMT8041	Human Capital Management	3	
TOTAL CREDIT 44 SCU				

MM Business Management – Blended Learning

Introduction

The MM Business Management - Blended Learning is a Master of Management (MM) program designed for fresh graduates (Strata-1 or equivalent) and professionals that are highly mobile with a heavy workload, in which they were constrained by the location of their working area and working hours. This program is designed for those who need to complement their previous undergraduate degree with mastery in general management skills and competencies, with some limitations in terms of location to enrich their education background and inflexible working hours. The program also provides knowledge and skills in innovation and entrepreneurship that equips the students to launch their own businesses or become intrapreneurs in established firms.

The MM Business Management - Blended Learning is a 41-credit program consisting of knowledge in functional areas, innovation, entrepreneurship, business research, human capital management, business ethics and a capstone course in strategic management. Participants are also exposed to courses related to Information Systems (IS) and digital business management. Upon the completion of the study, students are expected to earn knowledge and skills in general management according to the most current conceptual and analytical development in managerial practices. They will also have insights into developing and implementing sustainable customer value. Moreover, they will have soft-skills in aligning and balancing the various and often conflicting needs and demands of the many groups of stakeholders in play: shareholders, workers, community, media, government and the public at large.

BINUS BUSINESS SCHOOL faculty members bring real-world professional and consulting experience to the classroom, consistently imparting and sharing the wisdom of their experience to the participants. They integrate a mix of teaching methodologies including, but not limited to, traditional as well as online lectures, guest lectures, case

studies, class and online presentations, summaries, and field projects. The participant will learn to develop critical thinking skills, strong oral and written communication skills, effective team management, and leadership abilities. A faculty advisor will also assist participants in accomplishing their theses.

This program provides a learning environment that offers participants opportunities to develop meaningful and beneficial professional relationships between themselves with the faculty, and also encourages intellectual challenge and exploration.

Award/Degree

- MM degree from BINUS UNIVERSITY

Study Completion Requirements

To complete MM degree (in Business Management) at BINUS BUSINESS SCHOOL Master Program, students must complete a minimum of 41 SCUs, all of which are mandatory courses.

Teaching, Learning, and Assessment Strategy

The teaching, learning and assessment methods used in the program, such as case studies, online and in-class exercises, simulations, group project assignments and presentations, are designed to enhance the students' capability in problem identification and analysis, understanding strategic alternatives and exchanges of ideas. Students are learning theories, concepts and best practices from faculty staff who have strong academic background and 15 years business experience on average. This learning process provides students with good grounds for understanding a broad overview of the industry. On occasions, the program also invites visiting professionals as guest lecturer. These experiences support individual career objectives and may provide social and professional networks. Furthermore, the regularly-held CEO, CFO and CMO guest seminar events also enrich students with new perspectives on how to relate theoretical foundations they study in the program with current practices.

Innovation is developed through course assessments that put emphasis on content comprehension and innovation. Innovation thinking, commonly referred as 'design thinking', is developed through some courses in the program. Students are required to translate selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This innovation thinking approach is implemented in the teaching, learning, and assessment process of several courses throughout the program.

At the end of the program, students are required to write a thesis and publish a research paper in a peer-reviewed journal as the assessment of students' comprehensive understanding of business management concepts learnt in the program.

Employability and Career Support

A wide range of career opportunities at a managerial level (such as business development manager) in business and management domain covering services and manufacturing industry, as well as private and public enterprises, offer vast opportunities for students after their successful completion of this eighteen month program. The integrated curriculum is designed, developed and prepared to support students in building on their technical and non-technical skills to face industry challenges.

Course Structure

MM Business Management - Blended Learning consists of following courses:

Sem	Code	Course Name	SCU	Total
1	MKTG8012	Marketing Management in Digital World	3	16
	MGMT8043	Leadership & Human Capital Management	3	
	ISYS8031	Information Systems for Management	2	
	STAT8097	Business Statistics	3	
	RSCH8073	Research Methodology	2	
	MGMT8040	Digital Business & E-Commerce Management	3	
2	RSCH8072	Research Analysis & Publication	2	14
	MGMT8044	Operations Management	3	
	ACCT8144	Accounting for Managers	3	
	FINC8009	Financial Management	3	
	ENTR8034	Design Thinking & Entrepreneurship	3	
3	BUSS8007	Ethics & Social Awareness	2	11
	MGMT8088	Thesis	6	
	MGMT8089	Strategic Management in Business	3	
TOTAL CREDIT 41 SCU				

MM Executive Management

Introduction

The Executive Management Program, with its “concise-but-no-compromise” learning experience, is tailored for executives who wish to remain on the job while not only obtaining their advanced degree but also answering top management challenges: growth, innovation, excellent execution and leadership. This program is based on a trilogy of cognitive principles adopted from Harvard Business School: ‘Knowing, Doing and Being’. ‘Knowing’ or knowledge is about developing highly analytical skills, ‘doing’ is about developing the professional skills that are required for business activities, and ‘being’ is about the development of a personal purpose or identity that relates to the role and responsibilities of business leaders.

In this program, students are coached by renowned hybrid faculty members — academics and business practitioners combined—who are part of the prestigious C-society, from CEO (executives) to COO (operations), from CIO (information) to CMO (marketing) as well as CHC (human capital). Under their tutelage, students will have a practical learning experience – while maintaining an academic perspective. By applying the systems thinking dynamics of great business leaders, the Executive Management Program faculty exposes students to the latest business knowledge in order to enhance their contextual leadership style. Over 200 relevant and contemporary types of these studies are incorporated into the Executive Management Program in order to improve the quality of classroom work.

Binus Executive Management is an 18-month program designed to provide students with the opportunity to study specific contemporary issues such as how to implement disruptive innovation and how to strategize business in the

'internet of everything'. The other main differentiator of this program is the focus on a growth-oriented leader's innovation and thinking development. Innovation is developed through course assessments that put emphasis on content comprehension and innovation. Students are required to translate selected innovative ideas into a visible design to comprehend the end-to-end innovation process. This approach has also been adopted by globally reputable business schools such as, Stanford Graduate School of Business, University of California Berkeley (Haas School of Business), INSEAD, and Wharton (University of Pennsylvania). Throughout the program, students are driven to produce growth-oriented, innovative ideas in the majority of courses offered. Student assumptions and beliefs will be challenged. The practices that they currently accept will be challenged. They will also be exposed to a diverse group of experienced, talented fellow participants from a variety of business industries. This diversity of both students and faculty makes BINUS BUSINESS SCHOOL Master Program truly realistic and forward-thinking.

Award/Degree

- MM degree from BINUS UNIVERSITY

Study Completion Requirements

To complete a Magister Manajemen degree, students must complete a minimum of 41 SCUs, all of which are mandatory courses. No streaming courses are available in this program.

Teaching, Learning, and Assessment Strategy

The teaching, learning and assessment methods used in the program begin with a strong faculty presence. With strong academic backgrounds, our faculty also brings an average of 20 years' business experience to theories, concepts and best practices that are taught. A hybrid approach is designed to integrate face-to-face classes on Saturday and online activities. The learning method includes case studies, in-class exercises, simulations, group project assignments and presentations for problem identification and analysis, developing strategic recommendation and exchanges of ideas.

A set of soft skills matriculation courses is designed to ensure the student has the capability to think strategically and present ideas well. For the focus of innovation, the design thinking method is utilized to ensure that students' ideas are able to become growth-oriented, innovative solutions. Extracurricular opportunities like "CEO Speaks," Executive Management's own 'EXECUTIVE TALKS Series', and other international opportunities add perspectives on how to relate the foundations they study in the program with current practices. The 'CEO Alumni Online Sharing' give the students the opportunity to learn and discuss current business issues such as business startups, and raising capital and resource management.

At the end of program, students are required to write a group final project that assess students' comprehensive understanding of business management concepts and innovation learnt in the program. Having English as a formal language of instruction and providing an international curriculum, the program is expected to ensure that our graduates are ready to enter the international workplace.

Promotability and Career Support

Graduates of Executive Management program will be able to be even more competitive in their leadership opportunities because of their innovative ideas and habits that focus upon business growth. More importantly, the program will maximize the promotability of our graduates in their current executive positions, whether in multi-national or domestic firms.

Career support is not applicable to this graduate program, as students are expected to already have a managerial position upon entrance.

Course Structure

Course Structure				
Sem	Code	Course Name	SCU	Total
1	ACCT8001	Accounting for Executives	2	14
	DSGN8001	Design Thinking and Business Innovation	3	
	RSCH8077	Business Research I	2	
	ECON8002	Microeconomic of Competitiveness	2	
	FINC8006	Corporate Finance	3	
	RSCH8078	Business Research II	2	
2	BUSS8005	Corporate Governance and Ethics	2	13
	MGMT8033	Strategic Human Capital and Change Management	3	
	MGMT8032	Strategic Marketing Management	3	
	MGMT8018	Operations & Supply Chain Management	3	
	MGMT8034	Leading in a Global Environment	2	
3	BUSS8006	Agile and Disruptive Business Strategy	3	14
	ENTR8005	Startups and Corporate Entrepreneurship	2	
	BUSS8004	Executing Business Strategy	3	
	MGMT8088	Thesis	6	
TOTAL CREDIT 41 SCU				

5.3.4 Course Descriptions

SUBJECT AREA: ACCT

ACCT8001 - ACCOUNTING FOR EXECUTIVES (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: create and analyze business profit (budget) plans including the application of flexible budgets; explain various concepts of cost accounting management; apply and analyze business using various accounting management concepts; and apply relevant cost and benefits and capital expenditure concepts for decision analysis.

Topics: The objective of this course is to provide students with the necessary knowledge and skills in managerial accounting to be innovative and take the initiative to lead the organization towards growth and the creation of shareholders wealth. This course provides students with the knowledge of managerial accounting and how to use accounting information for management planning and control. Students will learn how to use management accounting information for planning, making business decisions, monitoring performance, evaluating the results and making corrective decisions when necessary.

ACCT8144 – ACCOUNTING FOR MANAGERS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain the functions of each financial reporting and statement in firms' decision making; analyze financial statements as part of decision making process; interpret results of financial statement analysis to improve financial health of a firm; explain the functions of management accounting and its applications; and apply appropriate managerial accounting approaches to solve complex managerial problems.

Topics: This course introduces to students about the concepts of financial statements as one of important information sources in making economic decision. The course is designed to give understanding about the important of financial statements, to give ability to read the financial statement as well as to analyze and interpret them. This course also introduces student to develop management skills on company's internal information, such as cost control and cost analysis. Moreover, management accounting can also be described as a managerial tool for business strategy and implementation. Therefore, this course also aims to give an understanding of analyzing cost and profitability of an organization's products, services, as well as creating values to customers.

SUBJECT AREA: BUSS

BUSS8004 – EXECUTING BUSINESS STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: evaluate strategy and strategic management process; explain and apply a range of analytical tools and the integrative point of view; appraise organizational capability in executing strategy; execute and evaluate business and corporate strategy.

Topics: This strategy execution course is about strategy in action. Whereas crafting strategy is largely a market-driven activity, implementing or executing strategy is primarily an operation-driven activity revolving around the management of people and business process. Strategy execution depends on doing a good job of working with and through others, building and strengthening competitive capabilities, motivating and rewarding people in a strategy supportive manner, and instilling a discipline of getting things done. The course focuses on ways to close the gap between strategy formulation and execution, between expectations and results. The best strategy is not enough unless a whole series of supporting moves puts that plan into effect.

BUSS8005 – CORPORATE GOVERNANCE AND ETHICS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify and analyze theories, concepts related and issues related to corporate governance, business ethics and values in both local and international contexts; explain and analyze the framework, implementation, mapping, and challenges of corporate social responsibility (CSR) in Indonesia; explain the elements of good corporate governance (GCG) and analyze its implementations, impacts, and challenges in an organization; analyze leadership character that upholds ethical values in practical areas in order to achieve organizational objectives.

Topics: This course introduces contemporary issues of ethics, morality and social responsibility that face the business community in Indonesia as well as abroad. From the point of view of business ethics, the course confronts a number of moral and legal issues that arise on both domestic and international scales and are carried on as major ingredients of the violation of good corporate governance principles. Both local and international case studies enrich student understanding of corporate social responsibility and good corporate governance.

BUSS8006 – AGILE AND DISRUPTIVE BUSINESS STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, student will be able to: understand a disrupted world and why it is crucial for today's organizations; orchestrate and influence change and dynamic alignment; develop knowledge and skills to support a strong corporate philosophy and strategy; translate strategic agility into a robust business model, maintain adaptability and resilience through learned optimism.

Topics: The Agile and Disruptive Business Strategy course provides students with a framework to understand the structure and dynamics of agile businesses, together with an approach for their effective strategic management. It is focused on domains in which enterprise systems are important, because products, processes, and business models are parts of larger and more complex business eco-systems, or they are comprised of systems. The domains that will be covered include environmental changes, disruptive innovations, strategic agility, business ecosystem development, business model creation, and strategic adaptability. The course will be of particular interest to those interested in creating a business in which strategic agility and resilience will likely play a major role, and those interested in managing these businesses. The emphasis throughout is on the development and application of ways of thinking or mental models that bring clarity to the complex co-evolution of disruptive innovation, the demand opportunity, systems architecture, business ecosystems, decision-making, and strategy implementation within the business. This involves the application of a set of related theories and powerful analytical tools that are critical for the effective development of business strategy for agile business. These tools provide insights when anticipating and deciding how to respond to the behavior of customers, complementors and competitors, and when deciding which innovations to invest in, opportunities to target or partnerships to pursue. The objective of the program is to improve (significantly) the odds of success when figuring out how to create and capture value, make difficult decisions and develop and deliver technologies, platforms, and products. The course uses case studies and presentations, and also relies upon independent study by students. The case studies provide an extensive opportunity to integrate and apply these tools and theories in a practical, business policy context. The readings support the case study and provide a strong theoretical framework to support the practical analysis of real-world cases.

BUSS8007 - ETHICS AND SOCIAL AWARENESS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: assess different theories of ethics and evaluate their implication to global and local business, especially to its manager and leaders; identify and evaluate various approaches to CSR and Good Corporate Governance and evaluate the limit of CSR and the importance of integrating ethical principles and values into business; propose CSR/CSV projects that are both innovative and promote sustainability.

Topics: Ethics and social awareness has become more and more important for business practitioners these days. It governs the ways in which business people define what is right and how to do the right thing. This course will help students to understand various ethical theories and approaches in business. Students will also be introduced to various novel approaches in developing a sustainable business.

BUSS8020 - BUSINESS ETHICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify and evaluate various theories of ethics and common business ethics issues and appropriate actions in both local and international contexts; identify and evaluate the framework, implementation, mapping, and challenges of Corporate Social Responsibility (CSR) in Indonesia; evaluate the elements of good corporate governance (GCG) and assess its implementations, impacts, and challenges in organization; identify and evaluate the roles of ethics and social responsibility in a company's business strategy; and propose leadership character that upholds ethical values in practical areas in order to achieve organizational objectives.

Topics: This course introduces contemporary issues of ethics, morality and social responsibility that face the business community in Indonesia as well as abroad. From the point of view of business ethics, the course confronts a number of moral and legal issues that arise on both a domestic and international scale and are carried on as major ingredients of the violation of good corporate governance principles. Using both local and international case studies enrich student understanding of corporate social responsibility and good corporate governance.

BUSS8021 - CORPORATE AND BUSINESS STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify current strategic issues and problems; assess theories of corporate and business strategy; analyze the internal and external environment as well as competitor's strategy using appropriate approaches; present relevant information to a given audience; evaluate strategy and strategy formulation of a firm; design a strategy in response to a firm's challenges and opportunities; build effective oral communication skills; and propose strategic solutions based on ethical analysis both in the local and international contexts.

Topics: Business leaders are faced with the following challenging questions: Why do firms in different industries have different performance? Why do firms in the same industry have different performance? Why do some firms succeed and

others fail? What are the sources of sustained competitive advantage of firms? These challenging questions are the main focus of the Corporate and Business Strategy course. This course is normally found as the capstone course in the Master of Management program and is seen as a way of integrating the functional courses such as marketing, operations, finance, human resources, and the like. This course emphasizes the perspective of a general manager in dealing with those business decisions that determine the future directions of the firms and effective implementation of these directions.

BUSS8022 – ETHICS AND SOCIAL AWARENESS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to assess different theories of ethics and evaluate their implication to global and local business, especially to its manager and leaders; identify and evaluate various approaches to CSR and Good Corporate Governance; evaluate the limit of CSR and the importance of integrating ethical principles and values into business; propose CSR/CSV project that are both innovative and promote sustainability.

Topics: Ethics and social awareness has become more and more important for business practitioners these days. It governs the ways in which business people define what is right and how to do the right thing. This course will help students to understand various ethical theories and approaches in business. Students will also be introduced to various novel approaches in developing a sustainable business.

SUBJECT AREA: COMM

COMM8159 - CREATIVE MARKETING COMMUNICATION (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify the issues of creative marketing communication in a marketing planning; apply theory, concepts, principles and cases in creating solution of creative marketing communications; design a creative promotion strategy and communication campaign material aligned with overall strategic marketing strategy; examine the return on investment of a marketing communication campaign.

Topics: Consumer fragmentation, media proliferation and intensive development of information technology has brought many difficulties and, for some, opportunities, for marketers to communicate their brands. The hyper-competitive markets need a new way in marketing communications to make brands achieve their marketing objectives. Old school of conventional advertising has been considered obsolete, while creative marketing communication with an entertaining and engagement perspective is here to stay. This course is an in-depth study of Creative Marketing Communications in order to make the brand stands out from the crowd and achieves marketing success. Developed with a creativity platform, it links advertising and brand activation with sales promotion, Internet marketing, direct marketing, public relations and personal selling through all possible contacts with the target audience. Emphasis will be placed on strategic creative planning to effectively use these promotional tools to communicate with customers and meet marketing goals.

SUBJECT AREA: DSGN

DSGN8001 - DESIGN THINKING AND BUSINESS INNOVATION (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify problems/issues using Stanford's 'design thinking' process to improve individual innovative confidence; apply and assess innovation leadership using the principle of Theory U: open mind, open heart and open will; formulate innovation strategy as the engine for growth; create and execute effective processes and organizational structure that nurtures innovation; and design a green business innovation.

Topics: The objective of this course is to provide students with knowledge, skills and attitude required for practicing both lateral and structural thinking. Lateral thinking focuses on generating as many ideas as possible while structural thinking focuses on selecting the best ideas and implementing them. The course will provide students with practical tools necessary to apply these thinking effectively and also real life cases of prominent business leaders to adopt the attitude for possessing these two thinking. Both lateral and structural thinking will be used in the remainder of this program.

SUBJECT AREA: ECON

ECON8002 – MICROECONOMICS OF COMPETITIVENESS (2 SCU)

Learning Outcomes: Developed by Professor Michael Porter from Harvard Business School, this course addresses the subject of competitiveness and economic development from a bottom-up microeconomic perspective. Upon successful completion of this course, students are expected to: analyse the impact of micro and macroeconomic policies to business; evaluate the roles of government in serving the community; assess consumers' and producers' behaviors; create strategies to overcome resources deterioration; assess opportunities to create economic activities in order to be able to sustain in global competition.

Topics: This course is designed to explore and discuss human behavior which then leads to resource allocation and product distribution in the community. The center of the discussion, however, will be on the decision-making process in economy that leads to social welfare in relation to sustainability. The two important foundations for discussion in this course are micro- and macro-economic theories. These two subjects discuss the behavior of humans, companies, markets, and governments.

ECON8020 – MANAGERIAL ECONOMICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify and analyze the macroeconomics and microeconomics condition to respond to business opportunities; apply demand theory and the concept of elasticity of demand to managerial decisions; apply systematic approach and integrative thinking in performing cost-benefit analysis and marginal analysis; apply appropriate managerial economics techniques in performing market analysis; identify and evaluate relevant business ethical related issues and recommend appropriate actions for both local and international context.

Topics: This course is designed to provide participants with a basic understanding of microeconomic theory that can be used to understand behavior (in markets and organizations) and to make effective managerial decisions. It is intended to provide students with economic tools and an economic analysis used in the process of managerial decision-making. The course concentrates on microeconomic analysis, which deals with models of economic behavior of the consumer and the firm and will provide a basic understanding of firm and industry behavior that serves as a basis for decision-making.

SUBJECT AREA: ENGL

ENGL8196 – ACADEMIC ENGLISH FOR PROFESSIONALS (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: apply research skills such as citing, referencing, summarizing, paraphrasing and quoting when writing from sources; organize, build connections between ideas, and exhibit an integration of reading and writing in written output; discuss and present ideas with clear evidence of critical thought and logical reasoning in different speaking and writing situations; use appropriate language structures and features, including grammar, syntax, lexis, and style in both written and spoken outputs, as well as in proposing ethical academic documents.

Topics: The course is designed to strengthen the academic writing, reading, and speaking skills of student at a graduate level. The course covers an application of academic conventions required of students when they write research reports and theses, read, discuss, and write about case studies, and present in academic and business contexts. Referencing form and style, mechanics, grammar and academic lexis are all taken up using the specified discourse genres for graduate students.

SUBJECT AREA: ENTR

ENTR8005 – STARTUPS AND CORPORATE ENTREPRENEURSHIP (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: create a growth-oriented business decisions using concepts of entrepreneurial management based within the economic, political, and legal contexts; understand the entrepreneur roles, ethics, and strategies used for business growth; use entrepreneurial management knowledge in typical business issues and solutions of various industries.

Topics: This course is designed to coach the students on how to start and operate a new business venture which involves considerable risks and efforts with the possibility of great reward. It combines a practical, step-by-step approach with theoretical foundations to form a basic framework for understanding the business leadership process. It also focuses on the ability to create added value from the implementation of innovation and habits to steer that creativity to result in business growth.

ENTR8034 – DESIGN THINKING AND ENTREPRENEURSHIP (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply design thinking and integrative thinking approaches in business decision-making, design a prototype using the design thinking process, analyze traits and skills of successful entrepreneurs and ventures, create business model based on the prototype created using design thinking approach and create business through business plan and ICT utilization.

Topics: Facing global competition, businesses around the world are trying to survive by creating innovative products or services. Design thinking is one way to initiate creativity and “out-of-the box” ideas that can be implemented in business decision making or product/service development, and has been implemented successfully by different businesses. This course aims to acknowledge the role of design thinking in successfully transform businesses and sparks innovation, and will bring students to step out of their regular and comfort zone into a more adventurous venture in business.

SUBJECT AREA: FINC**FINC8006 - CORPORATE FINANCE (3 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to: explain basic concepts of corporate financial management for decision-making; apply and compare tools for making major financial decisions (investing, financing, analyzing and planning); demonstrate working knowledge as finance professional to comprehend and to relate the three major financial decisions for maximizing stockholders' value.

Topics: This course discusses the foundation of corporate finance management. It deals with how a financial executive uses all aspects of corporate financial management for maximizing stakeholder value. This course puts emphasis on financial decision-making such as: investing, financing, analyzing and planning. Investing and financing decisions involve finding optimum asset allocations and how to efficiently finance the investment. Analyzing involves monitoring a firm's financial performances. Planning decisions in this course focuses on short term financial planning (incl. working capital management) to forecast the firm's future cash flows.

FINC8008 – FINANCIAL FUNDAMENTALS FOR MARKETING (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able explain differences between management accounting and financial accounting; analyze the financial performance of a company or a brand and identify action to be taken to improve the financial performance; explain budgeting techniques, cost behaviors, cost accounting systems and responsibility accounting and apply appropriate techniques in preparing budget and calculating cost and profit and to analyze the performance of an investment.

Topics: Financial Fundamental for Marketing introduces students to company's internal information, such as cost control and cost analysis. Understanding cost behavior is useful for management to set up the price (pricing). Moreover, this course also teaches some managerial tools for business strategy and implementation by discussing cost analysis and profitability of an organization's products and services and creating values to customers. The course also equips the students with ability to analyze the impact of marketing strategy to the financial performance and to identify how to improve the financial and investment performance.

FINC8009 – FINANCIAL MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: explain the role of financial manager and the operation of financial market; interpret financial statement and reports using appropriate approaches; apply appropriate financial analysis tools in a given business situation for decision-making processes; evaluate investment options for company value creation; analyze the corporate risk management; and present financial analyses of a company in written and verbal.

Topics: Financial Management deals with the maintenance and creation of economic value or wealth. It focuses on decision making with a special attention on creating wealth. In general, there are three groups of financial decisions: investment, financing, and dividend decisions. Investment decisions involve allocation of scarce resources across competing uses. Financing decisions involve raising funds to finance the investment projects. Dividend decisions involve reinvesting cash back to the business or returning cash to shareholders. The objective of this course is to give the students problem solving skills in finance from the point of view of management and investors. In this setting, some basic finance tools are important. The tools are: financial statement analysis, mathematics of finance (present value, future value, annuity, perpetuity, etc.), risk-return models, and valuation models. In addition, potential conflicts of interests among the actors (such as managers vs shareholders and shareholders vs bondholders) are also recognized. Sessions on derivatives are added to reflect increasing importance of derivative and risk management in financial world, especially during the current period of financial crisis.

FINC8052 – CORPORATE FINANCE (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain basic concept of corporate financial management for decision makings; apply and compare tools for making major financial decisions (investing, financing, analyzing and planning); demonstrate working knowledge as finance professional to comprehend and relate the three major financial decisions for maximizing stockholder's value

Topics: This course discusses the foundation of corporate finance management. It deals with how a financial executive uses all aspect of corporate financial management for maximizing stakeholder value. This course put emphasis on financial decision-making such as: investing, financing, analyzing and planning, risk and return, stock and bond, investment decision, cost of capital, valuing business, risk management and value creation.

FINC8059 – FINANCIAL FUNDAMENTALS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: analyze financial statements; choose appropriate financial analysis tools in a given business situation for decision-making processes; identify and use

effective applications of IT in calculating bonds, optimal portfolio selections, options and leasing; and apply principles of financial analysis to forecast future performance.

Topics: Financial Fundamentals deals with the maintenance and creation of economic value or wealth. It focuses on decision-making with special attention on creating wealth using financial statement analysis and financial skill as well as investment portfolios. This course will cover risk and return, stocks and bonds, capital budgeting, cost of capital, foreign exchange and risk management.

SUBJECT AREA: ISYS

ISYS8031 - INFORMATION SYSTEMS FOR MANAGEMENT (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: examine the strategic uses of information technology; apply information technology in developing a corporate strategy; evaluate the use of technology in transforming the organization and creating new lines of business and new relationships with other firms; and apply appropriate technology to enhance professionalism and productivity.

Topics: This course provides an overview of information systems (IS) in the business world. It presents an organizational view of how information technology (IT) is manipulated or applied to create competitive advantages, manage global organizations, transform organizations, and collaborate with business partners more effectively. Topics include electronic businesses, information technology infrastructure, databases, telecommunication systems, the strategic use of information systems, the development of information systems, the economics of IT, and security issues involved with information systems.

ISYS8240 – INFORMATION TECHNOLOGY FOR MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: identify current problems and issues in relations to the use of information technology for business advancement; apply basic and strategic principles of management information systems (MIS) in light of current business world development; explain the strategic uses of information technology and how to execute technology when developing a corporate strategy; explain the use of information technology to transform the organization and create new lines of business and building relationships with other firms; and analyze the roles of appropriate technology for enhancement of professionalism and productivity; and propose information technology solutions which are based on ethical analysis both in the local and international context.

Topics: This course provides an overview of information systems (IS) in the business world. It presents an organizational view of how information technology (IT) is manipulated or applied to create competitive advantages, manage global organizations, transform organizations, and collaborate with business partners more effectively. Topics include electronic businesses, information technology infrastructure, databases, telecommunication systems, the strategic use of information systems, the development of information systems, the economics of IT, and security issues involved with information systems.

ISYS8241 – INFORMATION SYSTEMS MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify the current problems/issues in relation to the uses of information technology for businesses; apply information technology in developing a corporate strategy; assess the use of technology in transforming the organization and creating new lines of business and new relationships with other firms; propose appropriate technology to enhance professionalism and productivity; and propose the appropriate technology based on ethical analysis both in the local and international contexts.

Topics: This course provides an overview of information systems (IS) in the business world. It presents an organizational view of how information technology (IT) is manipulated or applied to create competitive advantages, manage global organizations, transform organizations, and collaborate with business partners more effectively. Topics include electronic businesses, information technology infrastructure, databases, telecommunication systems, the strategic use of information systems, the development of information systems, the economics of IT, and security issues involved with information systems.

SUBJECT AREA: MGMT

MGMT8018 - OPERATIONS & SUPPLY CHAIN MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: design a firm's internal process and supply chain; plan and control of a firm's operations; evaluate of a firm's business processes and propose improvement or create innovative solutions; apply technology to improve operations and organization internal capability; and demonstrate good communication and presentation skills.

Topics: Operations and Supply Chain Management is a systematic direction and control of the processes that transform inputs into finished goods or services and how to move materials and services to and from the transformation processes of the firm. This course provides knowledge in designing and manufacturing a product and service and in distributing it to customers in order to provide high-quality product or service with reasonable cost. It also facilitates learning on how effective operations management becomes a key ingredient of success and how operations and supply chain integrates with other functions in the company. This course emphasizes on processes of inter-related work activities characterized by specific inputs and value-adding tasks that produce specific outputs. This course also explores the key issues associated with the design and management of industrial supply chains.

MGMT8032 – STRATEGIC MARKETING MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify and respond to emerging local and global business opportunities; define, explain, and synthesize marketing management principles to local and global corporate performance; identify and analyze market and industry using the latest marketing management conceptual frameworks; design and apply comprehensive marketing management approach to address local and global business problems; and demonstrate effective team-work, leadership, marketing management skills in multi-disciplinary and multi-functional teams.

Topics: The purpose of this course is to develop knowledge and skills in the strategic aspects of marketing. The course provides an understanding of marketing as the basis for management decision-making and as a framework for analyzing business situations. It exposes students to the concepts, tools and techniques in marketing and provides them with the opportunity to apply these in problem-solving and decision-making in the area of marketing.

MGMT8033 - STRATEGIC HUMAN CAPITAL AND CHANGE MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: integrate human capital and change management with business strategy by identifying gaps in current human capital systems; understand the tools and techniques; develop a coherent framework of human capital plan including policies, programs, and practices to support the organization's strategy and contribute to a high-performance organization culture by recruiting, acquiring, motivating and rewarding workforce; develop recommendations or plans to improve the human capital processes to optimize results and engagement of people through a proper change management, for example choosing effective intervention and communication strategies at different stages in a change process; analyze how the digital era shape the current and future concepts and practices of the changing human capital management; analyze the current issues (business, economics, global changing) that can impact on human capital strategy in organizations as a part of change management. For example, during 2015-2017 the implication of AEC (ASEAN Economy Community) was a hot issue for domestic resources.

Topics: This course is aimed at developing students' comprehensive understanding of human capital and its critical roles in organizations. Sustainable success of an organization is profoundly determined by its people, its human capital. It is therefore very important to understand the essential practices of human capital management and how those practices impact organizational performance. Managing human capital means managing people. The success of managing people lies heavily on the proper conduct of managing change. This course is also designed to enhance students' understanding of change management and how it is integrated into strategic human capital management.

MGMT8034 – LEADING IN THE GLOBAL ENVIRONMENT (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to demonstrate effective leadership skills in managing people's behavior and motivation as well as processes in an organization adhering to high ethical, good governance and professional principles. They are also able to lead change initiatives, encourage creativity and provide comfortable business environment for business growth.

Topics: This course will discuss the leadership broadly in global environment context, including understanding and motivating employees, influencing peers and leaders, building a solid innovation culture, leading global teams, managing diversity, and leading organizational change in global context. This course also empowers student to take charge and be an effective global leader.

MGMT8039 – CONTEMPORARY ISSUES IN MANAGEMENT (1 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: prioritize suitable leadership concepts on people and organization behaviors then relate them to day-to-day business practices; compare effective leadership skills in managing people's behavior and motivation as well as processes in an organization, and be able to assess the ethical impact which could affect both individuals and organizations.

Topics: Leadership and organizational behavior (LOB) is a field of study that investigates the impact that individuals, groups, and structures have on behavior within organizations for the purpose of applying such knowledge toward improving an organization's effectiveness. It looks upon what people think, feel and do in and around organizations, and discusses

people's behaviors in relation to personal and organizational values, corporate culture, motivation, human performance, leadership, power, conflict and management in general.

MGMT8040 – DIGITAL BUSINESS & E-COMMERCE MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify the scope of digital business and e-commerce and their different elements; identify the current problems/issues related to the implementation of digital business and e-commerce in organizations; assess the use of technology in transforming the organization and creating new lines of business and new relationships with other firms; and apply digital business strategies in developing a corporate strategy.

Topics: The Digital Business and E-Commerce Management course provides a comprehensive introduction to the theory and practice of e-business and e-commerce management. Today, every business is a digital business whereby all businesses are experiencing digital transformation. This course will equip students with the skill sets to make decisions based on their understanding of digital elements in the business value chain. Topics in this course include digital business infrastructure, marketplace analysis for e-commerce, digital business strategy, e-environment, e-procurement, and digital business service implementation and optimization.

MGMT8041 – HUMAN CAPITAL MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: be able to identify and assess the main concept of people's behaviors in organization and relate them to day-to-day business practices; develop a coherent framework of human capital plan includes policies, programs, and practices to support the organization's strategy and contribute to a high-performance organization culture by recruiting, acquiring, motivating and rewarding workforce; and propose solutions on human capital processes to optimize results and engagement of people based on ethical analysis in both local and international context.

Topics: This course is aimed at developing students' comprehensive understanding of human capital and its critical roles in organizations. This course will investigate the impact that individuals, groups, and structure have on behavior within organizations for the purpose of applying such knowledge toward improving an organization's effectiveness. It looks upon what people think, feel and do in and around organizations, and discusses people behaviors in relation to personal and organizational values, corporate culture, motivation, human performance, leadership, power, conflict and management in general.

MGMT8042 – LEADERSHIP & ORGANIZATIONAL BEHAVIOR (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to prioritize suitable leadership concepts on people and organization behaviors then relate them to day-to-day business practices; able to compare effective leadership skills in managing people's behavior and motivation as well as processes in an organization, and able to assess the ethical impact which could be effecting both individuals and organizations.

Topics: Leadership and Organizational Behavior (LOB) is a field of study that investigates the impact that individuals, groups, and structure have on behavior within organizations for the purpose of applying such knowledge toward improving an organization's effectiveness. It looks upon what people think, feel, and do in and around organizations, and discusses people behaviors in relation to personal and organizational values, corporate culture, motivation, human performance, leadership, power, conflict and management in general.

MGMT8043 - LEADERSHIP & HUMAN CAPITAL MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: demonstrate effective leadership skills in managing people's behavior; demonstrate effective human capital management in organization; analyze the main concept of leaderships; evaluate strategic plan in human resource management; and formulate appropriate actions to ensure effective business results.

Topics: Leadership and Human Capital Management is a field of study that investigates the essential practices of human capital management and how leadership impact organizational performance. This study will enhance student in creating a logical and tangible connection between their work and success of their organization. Since this class will positioned human capital management and leadership affect the mission and strategic outcomes of organization. This study will cover leadership, human resource environment, acquisition and preparation of human resources, assessment and development of HRM, compensation of human resources, and recent issues in human resource management.

MGMT8044 - OPERATIONS MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: apply a systematic approach and integrative thinking in making operational decisions; analyze the impact of global and local market issues to operation; apply techniques to improve efficiency and effectiveness of operation system to support a firm performance; and analyze the role of information technology in improving operations system performance.

Topics: Operations Management is defined as the design, operation, and improvement of the systems that create and deliver the firm's primary products and services. Most business student will either work in the operations area of a business or with people in the operations function during their careers, thus it is vital for them to have a basic understanding of how to design, operate, improve the operations system, and also how the operations system interacts with another system in a firm. This course will see how different business strategies require different business processes, and how different operational capabilities allow and support different strategies to gain competitive advantage. A process view of operations will be used to analyze different key operational dimensions such as capacity management, flow (cycle) time management, supply chain management, inventory control and quality management. This course will also explore recent developments such as lean manufacturing and Information technology related to operation activities.

MGMT8087 – OPERATIONS & SUPPLY CHAIN MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify business operational problems and issues; assess outstanding knowledge and skills of the operation and supply chain management and business in multidisciplinary and multifunctional organizations to a set of strategies and directions to achieve organizational competitive advantage; analyze and evaluate various operations and supply chain management concept and tools to propose solutions in developing organizational value; develop strategic innovation through the implementation of operation and supply chain excellence in the business process as an important aspect of creating organizational value to win the industry; derive and compute optimal policies/variables and performance measures such as costs/profits; and propose implementation operation and supply chain excellence based on ethical analysis both in the local and international contexts.

Topics: This course provides knowledge in designing and manufacturing a product and service and in distributing it to customers in order to provide a high-quality product or service at a reasonable cost. It also facilitates learning on how effective operations management becomes a key ingredient of success and how operations and supply chain integrate with other functions in the company. This course emphasizes processes of inter-related work activities characterized by specific inputs and value-adding tasks that produce specific outputs. This course also explores the key issues associated with the design and management of industrial supply chains.

MGMT8088 – THESIS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: demonstrate an understanding of a holistic view of business by analyzing complexities in environmental, market, and organizational issue, recommending and proposing a comprehensive business management approach to support business decision-making; demonstrate the capability in choosing and applying proper research methodology in the development of quality research; analyze and review strategic plan, process and the implementation of actions supporting strategic decision; demonstrate the ability to communicate the solutions in writing and oral effectively; and propose the business recommendations based on ethical analysis in both the local and international context.

Topics: This compulsory course emphasizes research and analysis, by offering three alternative assessment activities: individual research activity, consulting project or business model creation (BMC). At the end of the course, students are expected to submit a written thesis in the form of a final: research report, consulting report or a written BMC report. The school will assign an academic supervisor to assist each individual or group of students in their thesis/final project report based on the student(s)'s own research outline proposal. To assess the students' progress of the thesis/final project report writing, each student/group of students must present a thesis proposal in front of a panel of academics after the first few weeks. The same panel will then assess the student(s)' final thesis presentations at the end. Further details on the thesis are included in the Thesis Guidelines, provided separately. Students are also expected to spend most of their independent study time outside the class/campus. Periodically, each student is scheduled to meet with the assigned supervisor, to discuss about their work and progress on the project and the written report. The students will receive either verbal and/or written feedback from the assigned supervisor.

MGMT8089 – STRATEGIC MANAGEMENT IN BUSINESS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify strategic management problems/issues; assess appropriate approaches and techniques in strategy analysis and formulation; communicate the proposed business strategy effectively; and assess ethical impact of strategies and formulate strategies which are both strategic and ethical which could be affecting both individuals and organizations.

Topics: Strategic Management in Business in Binus Business School will provide the participants with “Strategic hands-on Knowledge, Skills and Behavior” Capabilities so later in real world they could manage the resources, organization, management and strategic positioning of the firm in order to gain core competence, capability and long-term competitive advantage by combining “Theory of Strategy” and “Practice of Strategy”. To accomplish this purpose, this course introduces and employs various analytical frameworks through Case Studies from International and Asian Case Studies which assist the participants to identify the sources of core competence, capability and competitive advantage from both an industry and firm perspectives. This course will focus on strategic decisions and the processes by which general managers position their business and allocate resources in the face of both uncertainty and stiffer competition.

MGMT8090 – OPERATIONS FUNDAMENTALS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify operational business problems/issues; assess a systematic approach and integrative thinking in making operational decisions; analyze the impact of global and local market issues on operations; propose techniques to improve efficiency and effectiveness of operation systems to support a firm's performance; analyze the role of information technology in improving operations system performance; and propose operational business solutions based on ethical analysis both in the local and international contexts.

Topics: Operations management is defined as the design, operation, and improvement of the systems that create and deliver the firm's primary products and services. Most business students will either work in the operations area of a business or with people in the operations function during their careers; thus it is vital for them to have a basic understanding of how to design, operate, and improve the operations system, and also how the operations system interacts with other systems in a firm. This course will see how different business strategies require different business processes, and how different operational capabilities allow and support different strategies to gain competitive advantage.

MGMT8207 – MANAGEMENT CONSULTING FIELD PROJECT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify tactical and strategic problems faced by a client company; assess and prioritize key problems and apply appropriate approaches to analyze them; collect and analyze information in appropriate business and academic manners; create innovative solutions to certain business and management models to solve issues faced the by client firm and assess the feasibility of the business models in terms of levels of attractiveness, cost and feasibility; communicate business and management ideas; and design effectively in verbal and written form.

Topics: This course is designed for academics as well as practitioners. It will give ideas, tools and concept to manage an integrative project within an organization. This course requires students to integrate the functional knowledge of the organization, as a basis or foundation to develop synergy among functions involved in the project. This course will provide concepts and best practices in how to make sure projects and enterprise goals are aligned; that the organizational resources can support project communication and decision-making more effectively; and how to integrate project processes with other functions or processes; and overall, how to oversee projects more effectively.

SUBJECT AREA: MKTG

MKTG8009 – CONTEMPORARY ISSUES IN MARKETING (1 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: create effective communication in writing; prepare a research paper and publish in a designated journal.

Topics: According to Tom Gimbel, CEO and founder of Lasalle Network, a recruiting firm based in Chicago (2015), there are six competencies that make a suitable marketing candidate. Those six competencies are in the analytical and research skills, digital ability, strong writing and editing skills, the ability to collaborate cross-functionally, the skill of taking the initiative and being culturally fit. The research skill development has been accommodated in Research Methods for Marketing. This course is to complement the Research Methods for Marketing, where students will have the opportunity to publish their latest research findings in a respected journal. This course not only develop a portfolio for the students but it also brings up the confidence level of students to write a reputable paper that follows the acknowledged research methods. Mentored by experienced lecturers, the students will work in group of two students in the process of publication.

MKTG8010 - STRATEGIC MARKETING PLANNING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and explain the emerging local and global business opportunities and issues in the keep changing business environment; to analyze the market dynamic, consumer behavior and industrial development in order to get the emerging consumers/customers insights; to define the market segmentation by using the proper analytical tools; to craft a

compelling positioning as a source of sustainable competitive edge to the organizations; and to demonstrate effective team-work, leadership and communication skills in marketing.

Topics: This course has concerns with helping marketers to identify, select and implement strategic marketing planning that would make their organizations more competitive in the marketplace. Strategic marketing planning which consists of segmentation, targeting and positioning is the core of differentiation strategy. With the keep changing environment and technology disruption, it is very important for a marketer to develop a compelling positioning as a source of the competitive advantage. Understanding the market dynamic, consumers/customers behavior and industrial development are the critical skills that are the key competency of a marketer to be able to properly define segmentation and choose the right target accordingly. Segmentation is a critical decision in this century. With the technology disruption and the fragmentation of Medias, segmentation has required both creative and strong analytical skills. This course, specially designed for creative marketing, also aims to provide decision makers with tools, concepts, methods and procedures by which they can improve the quality of their strategic marketing decision-making.

MKTG8012 – MARKETING MANAGEMENT IN DIGITAL WORLD (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: analyze fundamental marketing principles and tools used in marketing strategy making; analyze global and local marketing issues, consumer behavior and industrial development in order to keep up with environmental challenges; analyze marketing strategies as a source of sustainable competitive edge to the organizations; and develop marketing and customer values, strategic marketing approach, as well as innovation as the sources of competitive advantage.

Topics: This course is concerned with helping managers identify, select and implement strategies that would make their organizations more competitive in the marketplace. These strategies encompass decisions such as which "products" their firm offers and chooses not to offer, by which markets it seeks to serve and not serve, which competitors it chooses to compete with and to avoid, and what level of vertical and horizontal integration it considers as optimal for all of its stakeholders. Specific ways to compete in the chosen "markets" will usually be characterized by one or more functional strategies such as product line strategy, positioning strategy, pricing strategy, distribution strategy, segmentation strategy, manufacturing strategy, information technology strategy, and global strategy. This course also aims to provide decision makers with concepts, methods and procedures by which they can improve the quality of their strategic marketing decision-making.

MKTG8072 – MARKETING MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply marketing concepts in analyzing the market opportunities, evaluate an organization performance using marketing principles, apply appropriate marketing management approaches for marketing problem-solving, propose a creative and innovative strategic marketing plan of an organization and integrate digital marketing strategy in the overall marketing strategy.

Topics: As defined by the American Marketing Association (2015), marketing is: the activity, set of institutions, and processes for creating, communicating, delivering, and exchanging offerings that have value for customers, clients, partners, and society at large. This definition reflects a more critical role of Marketing Manager in a company. Marketing Manager is expected to work with other department in the organization to deliver value and customer relationships; making sure that the customer experience is consistent and positive. Hence, Marketing Management is a dynamic and highly stimulating field of business studies. The purpose of this course is to develop knowledge and skills in the managerial aspects of marketing. The course provides an understanding of marketing as the basis for general management decision-making and as a framework for analyzing business situations. It aims to expose students to the basic concepts, tools and techniques in marketing and provide them opportunities to apply these in problem solving and decision making in the area of marketing. A specific section about digital marketing has been added to this course to assist marketer coping with the current digital development.

MKTG8073 – MARKETING FUNDAMENTALS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify the emerging local and global marketing problems/issues; assess the marketing management principles and performance both local and global corporate; assess market and industry using the latest marketing management conceptual frameworks; to evaluate recommendations on a comprehensive marketing management approach to address local and global business problems; and to demonstrate effective oral communication skills.

Topics: As defined by The American Marketing Association (2015), marketing is: the activity, set of institutions, and processes for creating, communicating, delivering, and exchanging offerings that have value for customers, clients, partners, and society at large. The purpose of this course is to develop knowledge and skills in the managerial aspects of marketing. The course provides an understanding of marketing as the basis for general management decision-making and as a framework for analyzing business situations. It aims to expose students to the basic concepts, tools and techniques in marketing and provide them the opportunity to apply these in problem solving and decision making in the area of marketing.

MKTG8074 - CONSUMER BEHAVIOR (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to Identify and explain the role of consumer behaviour and value concepts in analysing contextual business opportunities; explain and apply the concepts of consumer behaviour and value in solving marketing and managerial problem; apply appropriate marketing research methods to conduct a basic consumer behaviour research; create effective marketing strategy using principles of consumer behaviour and value; and apply principles of ethics and consumer behaviour in making marketing analysis and decision

Topics : This course is designed to provide students with basic understanding of consumer behavior. Drawing from rich research in psychology and marketing as science, students would be exposed to various applications of the concepts in the business world. The course is to equip students with ability to analyze business problems using both the point of view of consumers and companies, so that students would be able to give unique approach and sensitivities to attacking the problems and providing creative and rich solutions. The course has also been enriched with the latest research in digital consumer behavior.

MKTG8075 - NEW PRODUCT DEVELOPMENT & CHANNEL MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify the opportunity based on the analysis of market and industry using marketing conceptual framework; embed design thinking process to generate innovative product breakthroughs and interpret the research results to make product launch decisions; design innovative product prototype concepts and channel strategy as a source of sustainable competitive advantage; integrate the latest digital marketing approaches in products and channel development.

Topics: For a company, it is not sufficient to rely on having good products and services only. For successful performance, they require efficient channels to be reached and accessible by the customers. With the proliferation of ICT, marketers have additional powerful channels to distribute their products. Product and channel management are one of the essential part of the Marketing Mix strategy to drive the company performance. This course is designed to introduce the foundation of new product development and channel management as well as integrating them into the whole of strategic new product launching. The course is designed to equip the students with both theory comprehension and hands-on experience in preparing the mock new product launching.

MKTG8076 - BRANDING & VALUE CREATION (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: evaluate the role of brand in companies' performance; develop frameworks based on the principles of marketing to analyze the communicative quality of a brand; apply appropriate brand management principles in marketing decision making; choose the most appropriate decisions to a brand management problem based on research; propose innovative solutions to a brand management problem; and understand the role of brand in the digital world.

Topics: A brand is a creation by a company and its customers. It should clearly reflect the promise the company makes to its customers, based on the strategies and vision for the future of its business and products. Therefore, it is vital that a company understands exactly what the customers expect from the brand, and that it continually lives up to these expectations. The aim of brand management is to create a brand that will build a long-term relationship - an unshakeable bond - between the company and its customers. With the development of digitalization in every channels and media, the role of brand has become increasingly important to maintain loyalty.

Brands with a high value are regarded as considerable assets to a company, so that when a company is sold a brand with a high value may be worth more than any other consideration. Branding, at its best, is more than a marketing responsibility - it is an integrative business practice. Brand management has almost been built as a separate discipline within marketing. Buying, building and divesting brands asks for serious investment and a strategic approach. To formulate this strategy, we need a serious understanding of the roles brands play in peoples' life and the economics in branding.

The course will explore various issues related to Brand Management, Brand Portfolio, Brand Personality, Brand Activation and Rejuvenation. The course requires students to perform the role as a Brand Manager who oversees the performance of brand over time.

MKTG8077 - DIGITAL MARKETING & MULTIMEDIA (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to explore the latest digital marketing opportunities; identify the appropriate the current digital marketing techniques and technology for solving the problem; design the strategy of integrated internet marketing using the available technology and platform effectively; establish source of income via e-commerce, subscription, and other method of revenue; and present the proposal using story telling (narration transportation).

Topics: This course provides students' knowledge and skills on how internet channels can be elaborated into marketing activities such as how to do basic Internet collaboration on marketing research, data mining profiling, and targeting, etc.

Students will learn the actual cases of using Internet as the integrating point to create effective campaign and marketing using the latest technology trends that will take the advantages of Internet 2.0 spirit while considering to the next level of using common platform in the Internet 3.0 Era. Students also are being prepared to understand the Industrial Revolution 4.0 impacts to the way of business processes and the role of digital marketers to strengthen the organization competitive advantage.

SUBJECT AREA: RSCH

RSCH8069 – RESEARCH METHODOLOGY FOR MARKETING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply critical thinking in research as foundation in organizational decision making; apply appropriate approaches and techniques in a research project; apply appropriate data analysis technique in research process and design; obtain certain skills for gathering consumer insights and execute research project.

Topics: The nature of postgraduate education put special emphasis on the development and expansion of new or existing knowledge. It is within the objective of postgraduate education that a graduate student should be able to expand their understanding on existing knowledge, may it be qualitative as well as quantitative, and provides contributions to such area. For marketer, research is the integral part for deciding the right marketing strategy. The dynamic nature of market and consumer behaviors demand any marketing graduates to be able to critically evaluate and make decisions based on findings of a research. This course is specially designed for creative marketing graduate by developing students' knowledge and skill in research process, thus preparing them to start their own research activities especially in the context of marketing lab in the class and preparing them for thesis writing. The course will put additional weight on qualitative research, where students can learn on how to obtain the compelling consumers insights by utilizing the marketing lab facilities. Several sessions are dedicated for students to practice in the marketing lab facility. Topics covered in this course will equip students to conduct the following: problem identification, critically review the literature, selection of research designs, data collection and data analysis, and research report writing and presenting.

RSCH8072 – RESEARCH ANALYSIS & PUBLICATION (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: apply appropriate approaches and techniques in writing a research paper; execute appropriate data analysis techniques and tools in research process; and provide suitable theoretical and managerial implications.

Topics: The nature of postgraduate education put special emphasis on the development and expansion of new or existing knowledge. It is within the objective of postgraduate education that a graduate student should be able to expand their understanding on existing knowledge, may it be qualitative as well as quantitative, and provides contributions to such area. The dynamic nature of business activities demands any business graduates to be able to critically evaluate and make decisions based on findings of a research. This course is designed in order to develop students' knowledge and skill in research process, thus preparing them to start their own research activities especially in the context of preparing them for research publication and thesis writing. Research Analysis & Publication course is the advanced level of Research Methodology course. This course is designed to develop students' skills in research process and preparing them to start their own research activities especially in the context of preparing them for research publication. This course will equip students to conduct the following: data collection, data analysis, discussion of research results, conclusions, theoretical implications, managerial implications and suggestion for future research.

RSCH8073 - RESEARCH METHODOLOGY (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify research problems; apply critical thinking in research as foundation in organizational decision making; apply appropriate approaches and techniques in a research project; and execute research project in business/ management fields.

Topics: The nature of postgraduate education put special emphasis on the development and expansion of new or existing knowledge. It is within the objective of postgraduate education that a graduate student should be able to expand their understanding on existing knowledge, may it be qualitative as well as quantitative, and provides contributions to such area. The dynamic nature of business activities demands any business graduates to be able to critically evaluate and make decisions based on findings of a research. This course is designed in order to develop students' knowledge and skill in research process, thus preparing them to start their own research activities especially in the context of preparing them for research publication and thesis writing. Topics covered in this course will equip students to conduct the following: problem identification, critically review the literature, selection of research designs and data collection method.

RSCH8076 – RESEARCH METHODOLOGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: apply critical thinking in research as foundation in organizational decision-making; apply appropriate approaches and techniques in writing a research project; apply appropriate data analysis techniques and tools in research process; design and execute a research project in business/management fields.

Topics: This course introduces to students about overview of approaches to social science research. This course is designed in order to develop students' knowledge and skill in the research process, thus preparing them to start their own research activities especially in the context of preparing them for thesis writing. Topics covered in this course will equip students to conduct the following: problem identification, a review of the literature, selection of research designs, data collection and data analysis, and research report writing.

RSCH8077 – BUSINESS RESEARCH I (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: apply systematic steps in defining research problem in management using strategic thinking skills; apply critical literature review that relates to the research problem; apply quantitative and basic statistical analysis that answers to the research problem.

Topics: Topics covered in this course will equip students to conduct the following: problem identification, critically review the literature, selection of research designs, data collection and data analysis, and research report writing and presenting. The course introduces the concept of business research methods to decision-making in management. It is designed to equip students with a sound understanding of the roles of management research in the decision-making process. It composes of the application of a wide variety of quantitative tools and techniques to the solutions of real business problems.

RSCH8078 – BUSINESS RESEARCH II (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Prioritize the data and sample for the research problem; Test the hypothesis using quantitative method or regression; Formulate the result, discussion and conclusion of the research problem.

Topics: Topics covered in this course will equip students to conduct the following: problem identification, critically review the literature, selection of research designs, data collection and data analysis, and research report writing and presenting. The course introduces the concept of business research methods to decision making in management. It is designed to equip students with a sound understanding of the roles of management research in the decision making process. It composes of the application of a wide variety of quantitative tools and techniques to the solutions of real business problems.

SUBJECT AREA: STAT**STAT8097 – BUSINESS STATISTICS (3 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to: describe the uses, capabilities and limitations of various statistical procedures; apply appropriate descriptive statistics to present and summarize data into useful information; apply appropriate statistical inference methods to solve a business problem; conduct a thorough statistical analysis and utilize the interpretation in making business decision; and utilize statistical software in analyzing data.

Topics: Business Statistics is the science of good decision-making in the face of uncertainty and is used in many business management areas such as marketing, finance, production and operations including services improvement. The course provides knowledge and skills to interpret and use statistical techniques in a variety of business applications. The course will emphasize the relevance of statistics, encourage the students to be familiar with the software used in business world, and provide ample practice in order to understand how statistics are used in business.

5.4 BINUS Business School Doctorate Program

5.4.1 Doctor of Research in Management (DRM)

Introduction

The Doctor of Research in Management (DRM) is a doctoral level program in management which emphasizes the development of knowledge in management by combining the elements of science, best practices, and use of Information and Communication Technology (ICT). It offers concentrations in Sustainability and Growth Strategy, Entrepreneurship and Innovation, Marketing Science and Analytics, Business Information Systems, Finance, and Human Resources Management. The program is designed to be accomplished in 6 (six) semesters, which consists of 46 SKS including dissertation. Each student draws on the faculty's diverse expertise and varied interests to develop high quality research uniquely suited to his or her interests. The program encourages students to gain research experience by working closely with faculty on a variety of industry projects and on alignment of research roadmaps.

Learning Goals

By the completion of our program:

1. Management Concept

Each student should be able to master the latest concepts in management and to develop new knowledge in related management functions in organization.

2. Multidisciplinary Research

Each student should be able to master the research methodology to study the phenomenon in management through multidisciplinary perspectives.

3. ICT Leverage

Each student should be able to utilize ICT to support high-quality research.

Prospective Career of the Graduates

The graduates of DRM could take up one or combination of the following roles:

1. As industry consultant, actively conducting high profile consulting projects with leading companies and producing copyrighted frameworks and or white papers.
2. As a business leaders, actively leading research based initiatives and actions in their respective company and becoming agents of change in the improvement and/or innovation of industry best practices.

Curriculum

The learning stage of the Doctor of Research in Management (DRM) is grouped as follows.

Level	Learning Stage
Dissertation	Proposal, Seminar on Dissertation Finding, Defense and Promotion
Empirical Projects Assignment	<ul style="list-style-type: none">▪ Project on Selected Reading▪ Corporate Strategy & Sustainability*▪ Theory of Entrepreneurship*▪ Theory of Marketing*▪ Managing Corporate Information System*▪ Advancement Financial Studies*

Level	Learning Stage
Empirical Projects Assignment	<ul style="list-style-type: none"> Human Capital Management* Seminar in Selected Topics in Management Theory of Advance Management Advanced Research Methodology and Dissertation Writing Philosophy of Science and Management

Course Structure

The distribution of courses for each semester are presented below.

SEMESTER 1

Course	SCU
PHIL9003 – Philosophy of Science and Management	2
RSCH9053 – Advanced Research Methodology and Dissertation Writing	2
MGMT9020 – Theory of Advance Management	2
RSCH9054 – Dissertation Proposal I	2

SEMESTER 2

Course	SCU
MGMT9021 – Seminar in Innovation, Knowledge, and Technology	2
MGMT9022 – Seminar in Selected Topics in Management	2
MGMT9023 – Project on Selected Reading	2
RSCH9055 – Dissertation Proposal II	2
Stream: Entrepreneurship and Innovation	
ENTR9004 – Theory of Entrepreneurship	3
Stream: Marketing Science and Analytics	
MKTG9002 – Theory of Marketing	3
Stream: Business Information Systems	
ISYS9023 – Managing Corporate Information System	3
Stream: Finance	
FINC9003 – Advancement in Financial Studies	3
Stream: Human Resources Management	
MGMT9024 – Human Capital Management	3

SEMESTER 3

Course	SCU
MGMT9026 – Dissertation Proposal Defense	6

SEMESTER 4

Course	SCU
MGMT9027 – Seminar on Dissertation Finding	7

SEMESTER 5

Course	SCU
MGMT9028 – Dissertation Defense	8

SEMESTER 6

Course	SCU
MGMT9029 – Dissertation Promotion	6

5.4.2 Doctor of Research in Management (Strategy & Growth)**SEMESTER 1**

Course	SCU
PHIL9003 – Philosophy of Science and Management	2
RSCH9053 – Advanced Research Methodology and Dissertation Writing	2
MGMT9020 – Theory of Advance Management	2
RSCH9054 – Dissertation Proposal I	2

SEMESTER 2

Course	SCU
MGMT9021 – Seminar in Innovation, Knowledge, and Technology	2
MGMT9022 – Seminar in Selected Topics in Management	2
MGMT9023 – Project on Selected Reading	2
RSCH9055 – Dissertation Proposal II	2
MGMT9025 – Corporate Strategy & Sustainability	3

SEMESTER 3

Course	SCU
MGMT9026 – Dissertation Proposal Defense	6

SEMESTER 4

Course	SCU
MGMT9027 – Seminar on Dissertation Finding	7

SEMESTER 5

Course	SCU
MGMT9028 – Dissertation Defense	8

SEMESTER 6

Course	SCU
MGMT9029 – Dissertation Promotion	6

5.4.3 Course Descriptions

SUBJECT AREA: ENTR

ENTR9004 – THEORY OF ENTREPRENEURSHIP (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand theory of entrepreneurship, the entrepreneurial perspective and entrepreneurial mindset, introduces entrepreneur and entrepreneur process from both historical and a research perspective, the characteristic and background entrepreneur and some methods individuals assessment and various aspects of international entrepreneur; Understand various topics in entrepreneurship in order to suggest topics for further research; Understand how to critically evaluate Entrepreneurship/ Entrepreneurial articles, take lessons learned from them, and suggest significant improvement or further research direction, and also possibility of implementation; To execute an empirical study to be targeted to an appropriate journal.

Topics: Entrepreneurship and Entrepreneurial Mindset; Entrepreneurial orientation; Cognition and entrepreneurial intention; Creativity entrepreneurship; Cultural entrepreneurship; Entrepreneurship in Global Era; Social Entrepreneurship; Gender Entrepreneurship; Family Entrepreneurship; Strategic/corporate Entrepreneurship; Entrepreneurship, Technopreneurship & Economic Development.

SUBJECT AREA: FINC

FINC9003 – ADVANCEMENT IN FINANCIAL STUDIES (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Familiarize with the development of theories and practices of in the fields of corporate restructuring and corporate governance; Apply Analyze and select the most suitable methodologies for conducting empirical research in the fields; Able to propose and conduct empirical research in the fields; Able to compose quality research report according to the prevailing standard in the fields and in the DRM program.

Topics: Investment; Subsidiaries Performance; The impacts of Merger & Acquisitions Activities; The Consequences of Diversifications; Financing By Debts; Financing by Equity - IPO Puzzles; Restructuring Through Divestiture; Corporate Restructuring – 1 : Assets and Debts; Corporate Restructuring - 2 Ownership (Equity); Corporate Governance & Innovation and Competiveness; Risk Management.

SUBJECT AREA: ISYS

ISYS9023 – MANAGING CORPORATE INFORMATION SYSTEM (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the business impacts of managing corporate information systems; Understand the concept of IT service delivery; Understand the concept of IT governance; Understand the concept of IT leadership; Design the research model for managing corporate information system.

Topics: Business models; IT impact analysis; IT infrastructure; IT service; IT governance; IT leadership; Research in managing corporate information system.

SUBJECT AREA: MGMT

MGMT9020 – THEORY OF ADVANCED MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the historical and intellectual antecedents of management as an academic discipline; Analyze the role of theory in this disciplines, especially the relationship between theory, management research and practice; Evaluate the influence of a diverse range of disciplinary perspectives on this body of theory; Explain the practical and conceptual implications of contemporary and historical approaches to management theory.

Topics: Key topics covered in this course are: Individuals & Their Environment; Behavior of Organizations; Environmental Contingencies & Organizations; The Future of Management Research.

MGMT9021 – SEMINAR IN INNOVATION, KNOWLEDGE, AND TECHNOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the common root causes of common problems in innovation showing how these can manifest in various stages of the development process and in different areas of the firm; Understand the complex issues related with development of technological capability both in the context of advanced and developing nations; Learn to identify and synthesize what tools and approaches that can be used to address management problems related with innovations.

Topics: Innovation management; Technology development; Knowledge management.

MGMT9022 – SEMINAR IN SELECTED TOPICS IN MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explaining the latest development issues of management as an academic discipline; Analyzing the role of concepts and frameworks of management, especially the relationship between management theory and practice; Evaluating the latest contribution in management theory, research, and methodology; Acquiring an in-depth understanding of the concepts and be able to apply them to students' research topics.

Topics: Key topics covered in this course are related issues in management which categorizes as follows: Introduction to Management; The Environment of Management; Planning; Organizing; Leading; Controlling.

MGMT9023 – PROJECT ON SELECTED READING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate an understanding of scopes, domains, and depth of strategic management research area; Articulate a scientific approach and perspective to a specific issue in management and strategic management; Apply appropriate critical thinking in evaluating research articles; Display effective verbal and written communication skill in explaining, summarizing, and evaluating scientific articles.

Topics: Key umbrella topics covered in this course are: Corporate and Competitive Strategy (**CCS**); Strategic Human Capital (**SHC**); Sustainability and Corporate Responsibility (**SCR**); Global Market Strategy (**GMS**).

MGMT9024 – HUMAN CAPITAL MANAGEMENT (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyse issues, challenges, opportunities and threats relevant to human capital management in local and international companies; Evaluate the key trends in human capital management; Discuss the concept of strategic human capital management to achieve added value; Plan strategic human capital management process.

Topics: Introduction to HCM; The essence of HCM; Paper Presentation; The practice of HCM; Paper Presentation; Final Paper Presentation.

MGMT9025 – CORPORATE STRATEGY & SUSTAINABILITY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Be equipped with academic substance on the development of theories and practices of dynamics competitive strategies, such as competitive rivalry, competitive behavior, and competitive dynamics; Compare the evolution and the development of dynamics competitive strategy theories from the classical theories to the current state of the art; Understand how to critically evaluate competitive dynamics research articles, take lessons learned from them, and suggest significant improvement or further research directions; Explore interactively theoretical, frameworks, tools, and research issues in the development of the discipline of competitive dynamics, lay out foundation for doctoral research and profession in the corporate world.

Topics: Sustainable Competitive Advantage; Competitive Dynamics Perspectives; Industry and Competitive Dynamics; Regional Clusters Development; The Nature of the Firm; Resource-Based Theory; Industrial Organization; Austrian School; Analytical Frameworks and Tools; The Future of Competitive Dynamics Research.

SUBJECT AREA: MKTG

MKTG9002 – THEORY OF MARKETING (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Command state-of-the-art knowledge of the current development of marketing theories and to deepen their analytical capabilities to explore, to understand and to predict marketing phenomena; Possess scientific capabilities to constructing and testing of marketing theories; Understand some classic philosophy of science literature related to marketing; Develop more rigor in thinking about scientific theories in marketing; Understand theory literature in the other social sciences.

Topics: Marketing and Science; Marketing Knowledge; History of Marketing; Recent Theories in Marketing; Critical Marketing; Marketing Concepts and Propositions.

SUBJECT AREA: PHIL

PHIL9003 – PHILOSOPHY OF SCIENCE AND MANAGEMENT (2 Credits)

Learning Outcomes: On the successful completion of this course, students will be able to: Explaining the ontological, epistemological, and axiological aspects of philosophy and their intersections to business/management activities; Writing a journal article on certain business/management issues with appropriate philosophical paradigms as the frame of reference; Analyzing certain phenomena of business/management based on the perspective of comparative philosophy.

Topics: Introduction to general philosophy and ethics (1); Introduction to general philosophy and ethics (2); Comparative philosophy of business/management (1); Comparative philosophy of business/management (2); Selected

business/management issues: a philosophical approach (1); Selected business/management issues: a philosophical approach (2); Paradigms in philosophy and research methods (1); Paradigms in philosophy and research methods (2).

SUBJECT AREA: RSCH

RSCH9053 – ADVANCED RESEARCH METHODOLOGY AND DISSERTATION WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate an understanding of the systematic process of research; Design a research approach for a specific issues in management, marketing and Information technology; Apply appropriate approaches and techniques in developing data analysis; Display effective verbal and written communication skill in research.

Topics: Research Methods Overview; Research Problem, Literature Review and Hypothesis Development; Research Design Strategy; Research Proposal; Quantitative Research Methods and Data Analysis; Qualitative Research Methods and Data Analysis and Writing; Research Report and Student Proposal Presentation-1; Student Proposal Presentation-2.

RSCH9054 – DISSERTATION PROPOSAL I (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify of management problems and research topic from practice and theory perspectives; Analyze industrial data and publications, especially the relationship between theory, management research and practices; Show the GCI in order to emphasize novelty of your research; Develop research model and design.

Topics: All about Doctoral Research; Anatomy of a Dissertation; Identifying a Research Problem and Choosing a Research Topic; Theoretical Review and Searching for Relevant Journals; Identifying Gap, Controversy, and Inconsistency (GCI); Developing Framework of Thought; Developing a Conceptual Model.

RSCH9055 – DISSERTATION PROPOSAL II (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Developing Chapter I of Dissertation Proposal; Developing Chapter II of Dissertation Proposal; Developing Chapter III of Dissertation Proposal; Writing and Submitting the Conceptual Paper to a Reputable International Conference.

Topics: Developing the Problem Statement; Writing Purpose Statements, Research Questions, and Hypotheses; Writing the Review of Literature; The First Part of Your Dissertation Research Method; Quantitative Research Methods; Qualitative Research Methods; Mixed Methods Research Designs; Submitting of Your Conceptual Paper to International Conference.

6. BINUS ONLINE LEARNING

6.1 Introduction

BINUS UNIVERSITY prepares and organizes BINUS Online Learning as a method of online learning for individuals who eager to learn and develop themselves without being tied to a particular time and place. This method is ideal for students who are currently working as professionals and self-employed worker, high school graduate students or even housewives who want to continue their studies. Learning activities designed to focus on student characteristics and to obtain quality results with the guidance of faculty members and experienced practitioners, making BINUS Online Learning can accelerate student career.

Vision

Fostering and Empowering the society in building and serving the nation through nurturing exemplary character, advancing knowledge and promoting innovation (creative, process, technology).

Mission

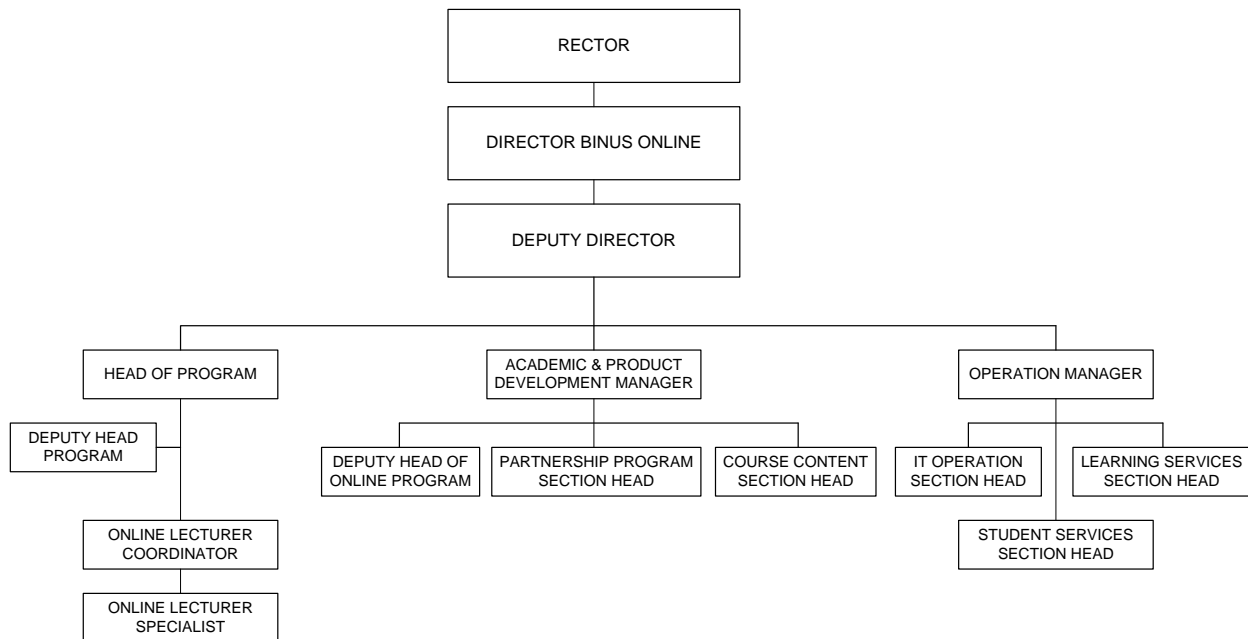
1. Educating Nusantara through holistic online education approach.
2. Answering nation's issues through applied research on the industry or organizations.
3. Fostering BINUSIAN through self-enrichment.
4. Empowering community continuously.

6.2 History of BINUS Online Learning

BINUS UNIVERSITY is an information technology-based educational institution that is experienced in conducting education using information and communication technology (ICT) for students. Since 2001, BINUS UNIVERSITY has implemented a multi-channel learning system by using Learning Management System (LMS), which is built by BINUS called Binusmaya. Thousands of digital course content were created and provided to serve over 30,000 active students each semester.

With its experience and its provisions, BINUS UNIVERSITY prepares and organizes BINUS Online Learning, learning method through <http://online.binus.ac.id> website as a medium of learning for individuals who want to learn and develop themselves without having to be tied to a specific time and place.

6.3 BINUS Online Learning Organizational Structure



6.4 Campus Location

Syahdan Campus

Jl. K.H. Syahdan No. 9, Kemanggisian/Palmerah, Jakarta Barat 11480

Tel: (+62-21) 534-5830, (+82-21) 535-0660

Fax: (+62-21) 530-0244

Anggrek Campus

Jl. Kebon Jeruk Raya No. 27, Kebon Jeruk, Jakarta Barat 11530

Tel: (+62-21) 53-69-69-69, (+62-21) 53-69-69-99

Fax: (+62-21) 535-0655

Bekasi Campus

Jl. Lingkar Bulevar Blok WA No.1, Summarecon Bekasi

Kelurahan Marga Mulya, Kecamatan Medan Satria, Bekasi 17142

Tel: (+62-21) 2928-5598

Fax: (+62-21) 2928-5596

BINUS UNIVERSITY Learning Community (BULC) Palembang

Rukan Taman Harapan Indah, Jl. Letda A, Rozak No. B3 & B5, Palembang 30114

Tel: (+62-711) 562-6222

Fax: (+62-711) 562-6666

BINUS UNIVERSITY Learning Community (BULC) Semarang

Gedung Griya Bina Artha (Gedung Bank Jateng), Lantai 3

Jl. Pemuda No. 142, Semarang 50132

Tel: (+62-24)356-9090

Fax: (+62-24)358-3836

BINUS UNIVERSITY Learning Community (BULC) Malang

Jl. Green Boulevard No. 1, Kota Araya, Malang 65126

Tel: (+62-341)303-6969

Fax: (+62-341)303-6868

6.5 Method of Education Delivery

To support the system of online learning, the courses apply a learning method which is student centered learning. In this method, students will be encouraged to be active during the learning. Students should always complete the task, discuss with lecturer, tutors and other students. Activeness of students in a discussion forum or when face to face with the lecturer or tutor is very useful to improve the understanding and ability of the students regarding the knowledge and skills learned. Learning students are directed to learning to do and learning to be, not merely learning to know.

The implementation of online learning education is using the semester credit system. Learning activities consisted of online sessions and tutorial sessions. Online sessions are conducted through Learning Management Systems (LMS), where the students and the facilitator can asynchronously interact via discussion forum. All of learning materials, called online resources (i.e. lecture notes, presentation, video, assignments, quizzes), are stored in LMS so the students can access, download, and do the self-learning. In this session, the students should also complete the assignment tasks and join the quiz, which are distributed in LMS. Meanwhile, tutorial sessions are conducting to facilitate the synchronously meeting between students and tutor. It can be brought by face-to-face, either onsite or video conference meeting.

To support teaching and learning strategy, BINUS Online Learning provides BINUS UNIVERSITY Learning Community (BULC) in Palembang, Bekasi, Semarang and Malang. The teaching and learning strategy in online learning system is in the form of lectures, assignments (individual and group assignments), discussions, and tutorials. Then there are some subjects who also have a teaching and learning strategy in the form of presentation and laboratory.

The online learning system is focusing on learning guidance (tutorials, chat via forums, etc.) as well as independent learning. Information technology tools used optimally to allow intensive interaction between faculty and students. Lecturers and students get internet account. Students can view comprehensive information about schedules, rules, course materials, score, discuss and registering a study plan on their LMS. Electronic facilities available are adequate and support all the activities of the students in the learning process.

6.6 Evaluation System

Calculation of Final Undergraduate Score of Theory Course (NAT)

Table Calculation of Final Score of Theory Course (NAT)

Element						
Attendance	Forum Discussion	Group Assignment	Individual (Personal) Assignment	Quiz	Final Test	Total
10%	10%	15%	20%	15%	30%	100%

The Final Score for the semester is presented with the following Alphabetical Values:

Presented with the following Alphabetical Values:

Table Grading System for Undergraduate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Distinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Distinction
B-	2.5	70 – 74	
C	2	65 – 69	Pass
D	1	50 – 64	Near Pass
E	0	0 – 49	Fail
F	0	-	Incomplete

6.7 Minor Program

In order to equip students with interdisciplinary knowledge and skills, BINUS Online Learning develops minor programs that allow Business Management, Information Systems, Computer Science and Accounting students to take courses outside the course list on their own program curriculum. Students can choose 1 of the 2 minor programs provided by the department. The offered minor programs are: 1) Business Management minor program, 2) Information Systems minor program, 3) Computer Science minor program, and 4) Accounting minor program.

Briefing for Minor Program will be informed in the fourth semester, so that students can choose Minor Program in fifth semester. The final assignment of the minor program is final exam. In first period of fifth semester, students will take part in the registration session to select the desired Minor Program. Implementation of the Minor Program itself will be conducted in Semester 6 Periods 1 and 2. This Minor program consists of 2 periods with total of 16 credit units with various learning outcomes that emphasis on applied knowledge and skills.

6.8 Enrichment Program

Internship

Enrichment Internship track is a compulsory component for industrial engineering undergraduate students at BINUS Online Learning. The experience and skills acquired from a period of internship can be invaluable and provide the advantage to the students when practicing the tools, techniques and methodology to the real problems in manufacturing industries. During the internship period with the relevant industry, students are expected to involve in code of conduct and ethics of engineer profession, professionalism, safety management and related engineering background.

The Enrichment Internship Track contributes significantly in bridging the organizational goals through an optimal operational performance, by involving all the elements of human, machines, methods, money, materials, information technology and environment. Students should bring a constructive breakthroughs and value added to the competitiveness of the organization, through analysis, design, innovation, implementation and continuous improvement of the system and operational as well as to increase the organization performance. The report of Enrichment Internship Track includes introduction, literature reviews, research methodology, results and discussion, and conclusion. In addition, this course subjected to students presentation and evaluation.

6.9 Thesis

To finish the Undergraduate program at BINUS Online Learning, the student must be capable of writing and presenting the thesis to the examiner.

The compilation of the thesis must be relevant to the rules of the department. The student will be guided by a supervisor that is appointed by the head of the department or study program.

6.10 Academic Title

Students have rights to carry the academic title from BINUS Online Learning if he/she has fulfilled the requirements to attend graduation. The title given is adapted to the rule of the government.

Table of Academic Title

Programs	Study Level	Academic Title
Computer Science	S1	Sarjana Komputer (S.Kom)
Information System	S1	Sarjana Komputer (S.Kom)
Business Management	S1	Sarjana Ekonomi (S.E.)
Accounting	S1	Sarjana Ekonomi (S.E.)
Industrial Engineering	S1	Sarjana Teknik (S.T.)

6.11 Programs

6.11.1 Business Management

Introduction

Business Management Program teaches basic knowledge of economic and management areas such as Micro and Macroeconomics, Marketing, Global Human Resources, Finance and Accounting, and Operations. This curriculum provides opportunity and develop student's analytical skill with knowledge include Retail and Merchandising, International Business, E-Corporate, Entrepreneurship and Managing Innovation. Business Management program prepares students for a career in the business world and become an entrepreneur with managerial thinking.

Vision

To be an internationally recognized Business Management Study Program with ICT driven and entrepreneurial ability.

Mission

The mission of Business Management Study Program is to contribute to the global community through the provision of world-class education by:

1. Leveraging people's potential for success through altruistic academic relations and to provide challenging rewards for innovative talents.
2. Educating students with knowledge, skills and practice in global business trade, entrepreneurship, e-business, and business organization and prepare them for pursuing advanced degrees in business management or related disciplines.
3. Creating entrepreneurial managers to lead and work in a wide variety of business contexts and industries.
4. Conducting research and professional services for international trade, business development, e-business and business organizations.
5. Improving competitive managerial skills through impression, global business management, economics, business strategy and collaborative influence.

Program Objective

The objectives of the program:

1. To provide students with fundamental knowledge in management science & business that they will need in management practices.
2. To provide students with management and business skills integrated with IT & high impact research related to business, management, marketing, international trade, providing adequate tools for business analysis in these areas.
3. To prepare each student to be an entrepreneur and agent of change by utilizing knowledge & skills in global business management.

Student Outcomes

After completing the study, graduates are:

1. Able to formulate the management functions (planning, organizing, staffing, directing, controlling and also evaluating) at the operational level in various types of organizations.
2. Able to execute organizational functions (marketing, operations, human resources, finance, and strategy) at the operational level in various types of organizations.
3. Able to identify the managerial problems and organizational functions at the operational level, and take appropriate action based on the developed alternative solution, by applying entrepreneurial principles that rooted in local wisdom.
4. Able to contribute in arranging the organization's strategic plan and spell out the strategic plans into the organization's operational plan at the functional level.
5. Able to understand and implement the appropriate managerial decisions in various types of organizations at the operational level, based on the data analysis and information on business functions.
6. Able to perform the empirical studies and modeling using scientific methods on the various types of organizations based on the organizational functions.
7. Able to communicate the cross-function and level organization effectively.
8. Able to utilize information and communication technology in developing global business competencies.
9. Able to apply critical thinking in current business management through multidisciplinary methods and approaches.
10. Able to apply integrated business strategies and functional strategies in the global business.

Prospective Career of the Graduates

With the above-mentioned skills and knowledge, the Business Management graduate is able to follow a career in:

1. Entrepreneur / Entrepreneur sound business strategy and information technology.
2. Chief Operational Officer at the corporate / enterprise.
3. Strategic Management Consultant / global business consultant.
4. The Manager oriented e-Business.
5. Managers in almost all areas of industry (manufacturing, services, transportation, retail).
6. Human Resources Manager, Marketing Manager on corporations / multinationals.
7. Business researcher / developer in the banking industry, insurance, financial services, hospitality, and various other industry.
8. Project managers and development.

Curriculum

The curriculum is based on the National Curriculum and Management study program association that covers management knowledge and skills as well as attitude to support core competence.

Course Structure

Course Structure				
Sem	Code	Course Name	SCU	Total
1	MGMT6072	Introduction to Management and Business	4	18
	MATH6102	Business Mathematics	4	
	MKTG6113	Marketing Management	4	
	ECON6066	Micro and Macro Economics	6	
2	CHAR6019	Character Building: Pancasila	2	18
	ENGL6163	English Professional	4	
	ACCT6172	Introduction to Accounting	4	
	ISYS6295	Management Information Systems	4	
	ECON6032	Managerial Economics	4	
3	CHAR6020	Character Building: Kewarganegaraan	2	20
	FINC6046	Financial Management	4	
	MGMT6159	Operational Management	4	
	COMM6263	Business Communication	2	
	MGMT6255	Global Human Resources Management	6	
	LAWS6095	Legal Aspect in Economic	2	
4	CHAR6021	Character Building: Agama	2	22
	ACCT6173	Managerial Accounting	4	
	ENTR6081	Entrepreneurship	4	
	STAT6145	Business Statistics	6	
	MGMT6146	Strategic Management	4	
	LANG6031	Indonesian	2	
5	MKTG6125	Retail and Merchandising	4	22
	MGMT6160	Global Supply Chain Management	4	
	MGMT6162	Change Management	4	
	ENTR6100	Managing Entrepreneurial Organizational and Leadership	6	
	ISYS6296	e-Business System	4	
6	Minor Program		16	16
7	ISYS6426	E-Corporate Strategy and Management	6	20
	BUSS6048	International Business	4	
	MGMT6322	E-Marketing and E-CRM	6	
	RSCH6023	Research Methodology	4	
8	BUSS6049	Managing Innovation	4	10
	RSCH6024	Thesis	6	
			Total Credit 146 SCU	

Minor Program (6th Semester):

-) Student will take one of minor program track. See minor scheme for the tracks detail.

Minor Track Scheme

Track	1 st Period				2 nd Period			
	BM	AF	IS	CS	BM	AF	IS	CS
1.	-	V	-	-	-	V	-	-
2.	-	-	V	-	-	-	V	-

Notes:

BM : Business Management Minor Program
 AF : Accounting and Finance Minor Program
 IS : Information Systems Minor Program
 CS : Computer Science Minor Program

Notes:

Student will take one of Minor Program tracks

Minor Program Track

Code	Course Name	SCU	Total
Minor Program 1st Period			8
COMM6457	Business Communication	4	
MGMT6320	Human Resource Management	4	
Minor Program 2nd Period			8
ENTR6488	Business Plan	4	
MGMT6321	Application of Change Management	4	

Students should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	MKTG6113	Marketing Management	C
4	ECON6066	Micro and Macro Economics	C
5	ISYS6295	Management Information Systems	C
6	MGMT6255	Global Human Resources Management	C
7	MGMT6160	Global Supply Chain Management	C
8	BUSS6048	International Business	C

6.11.2 Information Systems

Introduction

In this internet-of-everything era, positioning of information systems in businesses has changed from secondary needs to primary one. A good investment of technology in a business might give many positive contributions to the company in winning the competitions. Technology couldn't be successfully implemented alone by itself; its implementation should be supported along with a readiness of new business process and also people aspect of the company, which the students will learn about these in the Information Systems study program. In this study program, students will also learn how to supply the business needs with a suitable development, utilization, and investment of information systems.

Vision

A study program of choice that excels in providing high-level Information systems education is specialized in business-IT, recognized internationally, and champions innovation. We produce graduates with international qualifications.

Mission

The mission of Information Systems Department is to contribute to the global community through the provision of world-class education by:

1. Nurturing students and lecturers with creative and value-adding talents in Information Systems by creating a suitable environment.
2. Educating students in information systems, covering knowledge and skills in analyzing, designing and implementing information systems for improving business processes and to be able to create an innovative and valuable information systems solution, through intensive learning process, research activities and collaboration with global industries.
3. Providing integrated knowledge to pursue further studies and create outstanding professionals, entrepreneurs, and leaders for a global community.
4. Providing professional services in Information Systems with an emphasis on the application of knowledge to society.
5. Improving the quality of life of Indonesians and the international community through leveraging Information systems solutions.

Program Objective

The objectives of the program:

1. To provide students with a solid foundation of system development skills and knowledge that they will need as a system analyst.
2. To prepare students with skills and in depth knowledge of information systems related to business intelligence, e-business and strategic information systems.
3. To provide students with the ability to use applied business knowledge for specific industrial purposes.

Student Outcomes

After completing the study, graduates are:

1. Able to identify and formulate the root cause of system performance information through data analysis and information on business processes.
2. Able to identify the needs of the database for building information systems.
3. Able to design, create and manipulate and implement computer-based information systems through the study of information systems to develop a strategic plan at organizations.
4. Able to design, create, manipulate and implement computer based-based information systems for new business model and processes.
5. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping.

6. Able to perform management, integration and added value on the results of data analysis to produce high quality information in every business functions in the organization.
7. Able to provide suggestions related to the design of systems and information technology and communication, and its utilization to support the growth and development of business organizations in the digital world.
8. Able to evaluate the integration of business processes and information systems in every business function of the organization, to generate alternative suggestion for the development of information systems in the organization.
9. Able to solve problems with inter-discipline approach.

Prospective Career of the Graduates

With the above-mentioned skills and knowledge, the Information Systems graduate is able to follow a career in:

1. Project Manager
2. Applications Development Manager
3. Information Center Manager
4. Operations Manager
5. Emerging Technologies Manager
6. Digital Marketing Manager
7. IS/IT Audit Manager
8. UX Manager
9. System Analyst
10. Business Analyst
11. IS/IT Auditor
12. IS/IT Consultant
13. Applications Programmer
14. Database Administrator
15. Business Process Specialist
16. UX Specialist
17. Webmaster
18. Web Designer

Curriculum

The Information Systems curriculum is designed and referred to the curriculum recommended by ACM and AIS, IS 2002 (Model curriculum and guidelines for undergraduate degree program in Information Systems), IS 2010 (Curriculum guidelines for undergraduate degree program in Information Systems), Computing Curricula 2005 and A Cooperative Project of ACM, AIS, IEEE-CS. In addition, the curriculum has been influenced by foreign universities with a reputation for quality Information Systems Study Programs.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ACCT6174	Introduction to Financial Accounting	4	20
	ISYS6299	Information System Concept	4	
	ISYS6300	Business Process Fundamental	4	
	COMP6598	Introduction to Programming	4	
	ISYS6505	Information System Development	4	
2	CHAR6019	Character Building: Pancasila	2	20
	ISYS6305	Enterprise System	4	
	MGMT6072	Introduction to Management and Business	4	
	ISYS6506	Information Systems Analysis and Design	6	
	ISYS6310	Information Systems Project Management	4	
3	CHAR6020	Character Building: Kewarganegaraan	2	22
	ISYS6513	Database System and Management	6	
	ISYS6318	E-Business Concept	4	
	LANG6031	Indonesian	2	
	ISYS6507	Testing and System Implementation	4	
	ISYS6509	User Experience	4	
4	ENTR6081	Entrepreneurship	4	22
	CHAR6021	Character Building: Agama	2	
	ISYS6514	Business Application Development	6	
	STAT6145	Business Statistics	6	
	ISYS6319	Knowledge Management	4	
5	ISYS6515	Research Methods in Information Systems	4	20
	ISYS6313	Analytical Information System	4	
	ISYS6320	Social Informatics	4	
	ISYS6317	Business Process Management	4	
	ISYS6516	Information System Security	4	
6	Minor Program		16	16
7	ISYS6332	Data Warehouse	4	20
	ISYS6316	Enterprise Architecture	4	
	ENGL6163	English Professional	4	
	ISYS6312	IS Strategy, Management and Acquisition	4	
	ISYS6517	Advanced Topics in Information Systems	4	
8	ISYS6327	Thesis	6	6
			Total Credit 146 SCU	

Minor Program (6th Semester):

-) Student will take one of minor program track. See minor scheme for the tracks detail.

Minor Track Scheme

Track	1 st Period				2 nd Period			
	BM	AF	IS	CS	BM	AF	IS	CS
1.	V	-	-	-	V	-	-	-
2.	-	-	-	V	-	-	-	V

Notes:

BM : Business Management Minor Program
 AF : Accounting and Finance Minor Program
 IS : Information Systems Minor Program
 CS : Computer Science Minor Program

Notes:

Student will take one of Minor Program tracks

Minor Program Track

Code	Course Name	SCU	Total
Minor Program 1st Period			8
ISYS6519	Introduction to Business Process	4	
ISYS6520	E-Business Analyze and Design	4	
Minor Program 2nd Period			8
ISYS6521	Knowledge Management Fundamentals	4	
ISYS6522	IS Project Management Planning	4	

Students should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	ISYS6305	Enterprise System	C
4	ISYS6506	Information Systems Analysis and Design	C
5	ISYS6310	Information Systems Project Management	C
6	ISYS6513	Database System and Management	C
7	ISYS6320	Social Informatics	C
8	ISYS6316	Enterprise Architecture	C

6.11.3 Computer Science**Introduction**

The Computer Science Program teaches basic knowledge of computer science include algorithms, methods of application development and database technology with knowledge and understanding of mathematical concepts. Curriculum designed based on international curricula ACM (Association for Computing Machinery) and input from business and industry. The graduate expected from this program can compete internationally and provide creative and innovative solutions in place of work.

Vision

A online learning program of choice in Computer Science which focuses on developing creative software solutions for industry, is recognized internationally, champions innovation and delivers graduates with international qualifications.

Mission

The mission of Computer Science Study Program is to contribute to the global community through the provision of world-class education by:

1. Educating students with fundamental and advance knowledge, skill and practice in software development, specialized in database technology, intelligence system, networking or multimedia and game development by providing an excellent learning environment and promoting research and collaboration with global industry.
2. Providing IT professional services with emphasis in application of knowledge in terms of society development.
3. Sharing application of knowledge related to computer science for Indonesian and international community quality of life improvement.
4. Promoting students & lecturers to be creative and value-adding talents in computer science by creating suitable environment in order to be able to compete in international level.
5. Preparing students for becoming smart and good ICT professionals, leaders and entrepreneurs in global market or for continuing in advanced studies.

Program Objective

The objectives of the program:

1. To provide students with a solid foundation of mathematical, algorithm principles, computer science knowledge and ethical that will be needed in IT practice.
2. To provide students with skills to apply design and development principles in the construction of software system applied in database technology, intelligence system, networking and multimedia development.
3. To prepare students with abilities to keep up-to-date with the latest Information Technology trends, developments and industries.
4. To prepare students with abilities in problem solving and good communication skills to be able to work as an individual or in a team in an IT environment.

Student Outcomes

After completing the study, graduates are:

1. Able to create software application design with the implementation of database system principal design to solve structured and semi-structured data
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area.
3. Able to assess information and communication technology trend to deliver alternative solution of software development.
4. Able to have critical thinking and scientific approach.
5. Able to mastering in computing area.
6. Able to implement technique and tools for computing practice.
7. Able to be creative and innovative in the development and application of Informatics concepts

8. Able to perform leadership and multi-disciplinary team work

Prospective Career of the Graduates

1. Software Engineer/Developer
2. System Analyst/Developer
3. Web Engineer/Developer
4. Computer Network Specialist
5. Database Specialist
6. IT Support/Consultant
7. Lecturer/Trainer

Curriculum

The curriculum has been developed in line with the National curriculum. Also, the local content has been developed in line with the Computer Science Curriculum standard of ACM (Association for Computing Machinery), local and foreign universities, and market trend. Therefore, the graduates are expected to be able to face the competition at both national and international level.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6019	Character Building: Pancasila	2	20
	MATH6077	Discrete Mathematics	4	
	COMP6127	Algorithm Design and Analysis	4	
	COMP6599	Algorithm and Programming	6	
	COMP6600	Operating System	4	
2	COMP6601	Data Structures	6	20
	MATH6132	Calculus and Linear Algebra	6	
	LANG6031	Indonesian	2	
	ISYS6508	Database Systems	6	
3	CHAR6020	Character Building: Kewarganegaraan	2	22
	COMP6124	Program Design Methods	4	
	CPEN6214	Computer Networks	4	
	COMP6275	Artificial Intelligence	4	
	COMP6307	Human and Computer Interaction	4	
	ENGL6163	English Professional	4	
4	CHAR6021	Character Building: Agama	2	20
	COMP6199	Software Engineering	6	
	COMP6276	Compilation Techniques	4	
	ISYS6362	Database Design	4	
	COMP6284	Code Reengineering	4	

Sem	Code	Course Name	SCU	Total
5	COMP6148	Programming Language Concepts	2	22
	COMP6620	Pattern Software Design	4	
	COMP6619	Advanced Object Oriented Programming	6	
	COMP6618	Object Oriented Programming	6	
	ENTR6081	Entrepreneurship	4	
6	COMP6334	Probability and Statistics	2	20
	RSCH6003	Research Methodology	2	
	Minor Program		16	
7	ISYS6332	Data Warehouse	4	16
	COMP6621	Web Programming	4	
	ISYS6523	Data Mining	4	
	COMP6622	Object-Oriented Database	4	
8	COMP6288	Thesis	6	6
Total Credit 146 SCU				

Minor Program (6th Semester):

-) Student will take one of minor program track. See minor scheme for the tracks detail.

Minor Track Scheme

Track	1 st Period				2 nd Period			
	BM	AF	IS	CS	BM	AF	IS	CS
1.	V	-	-	-	V	-	-	-
2.	-	V	-	-	-	V	-	-

Notes:

BM : Business Management Minor Program
 AF : Accounting and Finance Minor Program
 IS : Information Systems Minor Program
 CS : Computer Science Minor Program

Notes:

Student will take one of Minor Program tracks

Minor Program Track

Code	Course Name	SCU	Total
Minor Program 1st Period			8
COMP6615	Interface Design	4	
CPEN6213	Wide Area Networks	4	
Minor Program 2nd Period			8
COMP6616	Web Application	4	
COMP6617	Cloud Computing	4	

Students should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	COMP6599	Algorithm and Programming	C
4	COMP6601	Data Structures	C
5	COMP6124	Program Design Methods	C
6	COMP6199	Software Engineering	C
7	ISYS6362	Database Design	C
8	COMP6618	Object Oriented Programming	C

6.11.4 Accounting

Introduction

This program is intended for students who are planning to work as a Professional Accountant with curriculum to provide skills in business and information technology. The curriculum in this program based on the trend of global accounting education curriculum established by the International Federation of Accountants in the form of International Education Standard. This curriculum also refers to International Financial Reporting Standard (IFRS), which is used across the enterprise in the world to prepare financial statements. The courses offered also refers to the certification of the Professional Accountant (Chartered Accountant-CA).

Vision

A leading and innovative Accounting Study Program in the world that cooperates closely with accounting & finance industry and related institutions to produce professional accountants with extensive business, and information technology (IT) expertise.

Mission

The mission of Accounting Study Program is to contribute to the global community through the provision of world-class education by:

1. Recognizing, nurturing and rewarding the most creative and value- adding accounting and finance educators and students.
2. Educating students with the fundamental skills, knowledge and practice of accounting and finance in order to prepare graduates to be professional accountants in various industries and prepare them for pursuing advanced degrees in accounting, finance or related disciplines.
3. Creating global leaders who distinguish themselves as professional accountants and finance with extensive business and IT knowledge in their work organization and communities.
4. Contributing to the improvement of the body of knowledge in accounting and finance practice in Indonesia and global communities.
5. Conducting research, professional service and career development in accounting and finance with an emphasis on the application of knowledge and quality of life.

Program Objective

The objectives of the program are:

1. To prepare students with solid technical skills and conceptual knowledge of accounting and finance.
2. To prepare students with organizational and business knowledge to succeed in a career in accounting & finance.
3. To equip students with information technology knowledge that is in demand by the accounting and finance industries.

Student Outcomes

After completing the study, graduates are:

1. Able to prepare financial reports for business entities based on current Global Generally Accepted Accounting Principles (GGAAP).
2. Able to prepare management reports based on accounting knowledge to support planning, controlling, and decision-making.
3. Able to analyze financial statements, management reports, business and control risks and give recommendation to improve effectiveness of entities' financial performance.
4. Able to organize audit field work of financial reports in accordance with Global Generally Accepted Auditing Standard (GGAAS).
5. Able to analyze and give recommendations to improve the effectiveness of accounting information system.
6. Able to arrange taxation reports of individual and corporate taxpayers in accordance with the taxation laws and regulations.
7. Able to conduct financial audits and management audits in accordance to auditing standards and able to give recommendations or audit opinions.
8. Able to make recommendations and suggestions regarding taxation issues in accordance with applicable tax laws.
9. Able to prepare sustainable accounting reports related to practical of managerial accounting and sustainable accounting.
10. Able to perform recommendation with multi-disciplinary approach.

Prospective Career of the Graduates

With the above-mentioned skills and knowledge, the Information System graduate is able to follow a career in:

1. Public Accountants in Big Four or other local accountant firms
2. Management Accountants
3. Internal Auditors
4. Government Accountants
5. Auditors for Non-profit organization
6. Tax Consultant
7. Financial Analyst
8. Banker
9. Corporate Finance Officer
10. Treasury Officer

Curriculum

The curriculum has been developed to provide an education with high quality standards. It is based on the development of the sciences and practices related to government regulation, economics, information technology, National and International Accounting Association.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6019	Character Building: Pancasila	2	16
	CHAR6020	Character Building: Kewarganegaraan	2	
	LAWS6113	Introduction to Commercial and Private Laws	2	
	ACCT6328	Introduction to Accounting	6	
	ENGL6163	English Professional	4	
2	CHAR6021	Character Building: Agama	2	20
	ENTR6081	Entrepreneurship	4	
	ACCT6329	Intermediate Accounting I	4	
	TAXN6040	Taxation	6	
	ACCT6330	Introduction to Computer & Accounting Application	4	
3	ACCT6252	Economics Theory	4	22
	ACCT6130	Cost Accounting	4	
	ACCT6334	Intermediate Accounting II	4	
	MGMT6058	Introduction to Management and Business	4	
	ACCT6131	Managerial Accounting	4	
	LANG6031	Indonesian	2	
4	TAXN6023	Advanced Taxation	4	22
	ACCT6331	Accounting Information System and Internal Control	4	
	ACCT6335	Advanced Accounting	6	
	FINC6157	Introduction to Money and Capital Market	4	
	ACCT6193	Research Methodology in Accounting and Finance	4	
5	ACCT6253	Financial Audit	6	22
	FINC6050	Corporate Financial Management	4	
	MGMT6146	Strategic Management	4	
	FINC6158	Financial Modeling Laboratory	4	
	ACCT6194	Ethics and Corporate Governance	4	
6	Minor Program		16	16
7	ACCT6186	Fraud Auditing	4	16
	ACCT6179	Method and Practice of Auditing & Computerized Audit	4	
	ACCT6336	Accounting Theory	4	
	TAXN6041	Tax Management and Strategy	4	
8	ACCT6238	International Accounting	6	12
	ACCT6187	Thesis	6	
Total Credit 146 SCU				

Minor Program (6th Semester):

-) Student will take one of minor program track. See minor scheme for the tracks detail.

Minor Track Scheme

Track	1 st Period				2 nd Period			
	BM	AF	IS	CS	BM	AF	IS	CS
1.	V	-	-	-	V	-	-	-
2.	-	-	-	V	-	-	-	V

Notes:

BM : Business Management Minor Program
 AF : Accounting and Finance Minor Program
 IS : Information Systems Minor Program
 CS : Computer Science Minor Program

Notes:

Student will take one of Minor Program tracks

Minor Program Track

Code	Course Name	SCU	Total
Minor Program 1st Period			8
TAXN6042	Introduction to Taxation	4	
ACCT6338	Risk and Internal Control	4	
Minor Program 2nd Period			8
TAXN6043	Corporate Taxation	4	
ACCT6339	Management Audit	4	

Students should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	ACCT6334	Intermediate Accounting II	C
4	ACCT6131	Managerial Accounting	C
5	ACCT6331	Accounting Information System and Internal Control	C
6	ACCT6253	Financial Audit	C
7	TAXN6023	Advanced Taxation	C
8	ACCT6186	Fraud Auditing	C

6.11.5 Industrial Engineering**Introduction**

Industrial Engineering program is a branch of engineering that engages in the study of how to describe, evaluate, design, modify, control, and improve the performance of integrated systems of people, materials, and technology, viewed over time and within their relevant context. Industrial engineering is unique in its blend of fundamental topics in mathematics, physical and engineering sciences knowledge with the principles and methods of engineering analysis and design. This field identifies human being as central contributors to the inherent complexity of such systems. Globalization has opened up more doors for service industries worldwide, which leads to an increased

demand for industrial engineers. The Industrial Engineering curriculum at BINUS UNIVERSITY is structured to adapt the movement of globalization and tailored to the needs of the globalized world.

Industrial Engineering program emphasizes the application of engineering fundamentals with a balanced treatment of theory, design, and experience. Computer applications are integrated throughout the curriculum. This program allows flexibility to its students to study certain topics in breadth and depth by offering Supply Chain Engineering. The specialization of Supply Chain Engineering covers how modern production and operations management techniques can respond to the pressures of the competitive global marketplace by integrating all activities in the supply chain, adding flexibility to the system and reducing production cost.

Some of the core courses require the students to not only having a full grasp of the theoretical aspects but also on how to implement them in a time study analysis. The Industrial Engineering facilities are well-equipped in the areas of engineering graphics, industrial engineering systems design, and human-machine integration. The laboratories are available for students to use during their study are but not limited to: Physics Lab, Manufacturing Process Lab, Technical Drawing Lab, Simulation Lab, Work Design, and Ergonomics Lab.

Vision

To become the most excellent and innovative Distance Learning Program in Industrial Engineering.

Mission

The mission of Distance Learning Program in Industrial Engineering is to contribute to the global community through the provision of world-class education by:

1. Providing learning opportunities for the wider community with flexible, innovative, and information technology based learning methods
2. Supporting the students with Industrial Engineering disciplines to become global leaders
3. Recognition of talents and human resources that provides added value to the application of the science of Industrial Engineering.
4. Application of scientific Industrial techniques in solving problems and value-added in the community
5. Continuous and sustainable research in improving the quality of life in communities both nationally and internationally.

Program Objective

The objectives of the program are:

1. To prepare students with best practices in Industrial Engineering in order to prepare students for global competition and real contribution in the profession and community
2. To prepare students with advanced knowledge in Industrial Engineering for strategic advantage and commitment to professional standards and ethical practice
3. To provide equal education opportunities for higher education through distance learning mode and disseminate the knowledge in Industrial Engineering

Student Outcomes

After completing the study, graduates will have the following competencies:

1. An ability to apply mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to identify, formulate, and solve industrial engineering problems.
5. An ability to function on multidisciplinary teams.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand impact of industrial engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for industrial engineering practice.

Prospective Career of the Graduates

Industrial engineers are employed in manufacturing and service industries. Several career options for industrial engineers include, are but not limited to, the following:

1. Manufacturing Industry: Inventory Management, Logistics, Operation Management, Production Management, and Warehousing.
2. Research and Development: Data Analysis, Environmental Protection and Preservation, and Human Factors Engineering.
3. Service Industry: Client Management, Commercial Banking and Real Estate, Financial Consulting, Health Systems, and Human Resource Consulting.
4. Business and Management: Business Strategy, Investment Banking, Management Analysis, Project Management, and Business Development.
5. Education: Teaching and Research, consulting.
6. Information Technology: Computer Integration, Database Design, Telecommunication, and Web Development.

Curriculum

Industrial Engineering Program is about designing, modifying, controlling, and improving complex systems. Therefore, a strong basis in the “queen of the sciences”, better known as mathematics, and computer science is a requirement in modeling and solving such complex systems. The Distance Learning Program in Industrial Engineering curriculum is structured in such a way that the students should master the following scientific fields: mathematics, physics, humanities/social sciences, computer science and management, general engineering sciences, industrial engineering core, lab sciences, professional engineering practice, and industrial engineering specialization.

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6019	Character Building: Pancasila	2	20
	SCIE6042	Physics I	4	
	SCIE6043	Industrial Chemistry	4	
	MATH6082	Calculus I	4	
	ECON6068	Managerial Economics and Accounting	4	
	LANG6031	Indonesian	2	
2	CHAR6020	Character Building: Kewarganegaraan	2	20
	MATH6094	Calculus II	4	
	ECON6069	Engineering Economy	4	
	COMP6130	Introduction to Programming	2/2	
	MGMT6138	Leadership & Organizational Behavior	2	
	ENGL6163	English Professional	4	
3	CHAR6021	Character Building: Agama	2	20
	MATH6121	Linear and Discrete Mathematics	4	
	MATH6122	Calculus III	4	
	ARCH6102	Technical Drawing	2/2	
	ISYE6091	Environmental Engineering	2	
	ENTR6081	Entrepreneurship	4	
4	STAT6126	Probability Theory	2	24
	ISYE6093	Human-Integrated Systems	2/2	
	SCIE6044	Physics II	4/2	
	ISYE6092	System Engineering & Analysis	4	
	MATH6123	Deterministic Optimization	4	
	ISYE6087	Introduction to Manufacturing Processes	4	
5	STAT6128	Stochastic Processes	4	22
	ISYE6090	Supply Chain: Logistics	4	
	ISYE6096	Production & Operation Analysis	4/2	
	RSCH6087	Research Methodology and Applied Statistic	4	
	ISYE6094	Quality Engineering	4	
6	Enrichment Program			16
7	ISYE6098	Supply Chain Risk & Negotiation	4	16
	ISYE6099	Systems Simulation	4	
	ISYE6100	Health and Safety Engineering	4	
	ISYE6095	E-Supply Chain Management	2/2	
8	ISYE6128	Final Project	8	8
Total Credit 146 SCU				

Enrichment Program (6th Semester):

-) Student will take one of enrichment program tracks.

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program 1st Period			0
ISYE6151	Ethics & Technical Competencies in Industrial Engineering	0	
ISYE6152	Industrial Practice	0	
Enrichment Program 2nd Period			16
ISYE6149	Ethics & Technical Competencies in Industrial Engineering	8	
ISYE6150	Industrial Practice	8	

Students should pass all of these quality controlled courses as listed below:

No	Course Code	Course Name	Minimal Grade
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	MATH6123	Deterministic Optimization	C
4	ISYE6093	Human-Integrated Systems	C
5	STAT6128	Stochastic Processes	C
6	ISYE6096	Production & Operation Analysis	C
7	ISYE6095	E-Supply Chain Management	C
8	ISYE6098	Supply Chain Risk & Negotiation	C

6.12 Course Descriptions

SUBJECT AREA: ACCT

ACCT6172 – INTRODUCTION TO ACCOUNTING (4 Credits)

Learning Outcomes: Explain the accounting concepts and principles as a basis in the preparation of financial statements, and all stages in the accounting cycle; Identify the differences between service and merchandising companies, steps in the accounting cycle for merchandising company, and distinguish between a multiple-step and single-step income statement; Identify the methods in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS) relating current asset that consists of inventories, cash, and accounts receivable; Prepare the Statement of Cash Flow using indirect and direct method; Analyze company's performance by using the information stated in financial statement.

Topics: Accounting in Action, The Recording Process, Adjusting The Accounts, Completing The Accounting Cycle, Accounting for Merchandising Operations, Inventories, Fraud, Internal Control, Cash, Accounting for Receivables, Statement of Cash Flows, Financial Statement Analysis.

ACCT6174 - INTRODUCTION TO FINANCIAL ACCOUNTING (4 Credits)

Learning Outcomes: Explain the accounting concepts and principles as a basis in the preparation of financial statements, and explain the stages in the accounting cycle; Identify the operations of merchandising company and the accounting cycle for merchandising company; Explain the concept and methods relating to inventories, cash, accounts receivable, liabilities, and equity of a company; Analyse the company's financial condition by using the information in cash flow statement; Analyse the information stated in the Financial Statement.

Topics: Accounting in Action and The Recording Process, Adjusting The Accounts, Completing The Accounting Cycle, Accounting for Merchandising Operations, Inventories, Fraud, Internal Control, Cash and Accounting for Receivables, Liabilities, Corporations: Organization, Share Transactions, Dividends, and Retained Earnings, Statement of Cash Flows, Financial Statement Analysis.

ACCT6328 – INTRODUCTION TO ACCOUNTING (6 Credits)

Learning Outcomes: Explain the accounting concepts and principles as a basic of the preparation of financial statements, and the concept and methods related to inventories, cash, accounts receivable, liabilities, and equity; Apply the accounting concept, principles and methods in merchandising operation company and major corporation transactions; Prepare the basic income statement, statement of financial position and statement of cash flow accordance with Financial Accounting Standard (SAK) and International Financial Reporting Standards (IFRS); Apply the techniques in analyse of financial statement accordance with Financial Accounting Standard (SAK) and International Financial Reporting Standards (IFRS).

Topics: Accounting in Action and The Recording Process, Adjusting The Accounts and Completing The Accounting Cycle, Accounting for Merchandising Operations and Inventories, Fraud, Internal Control, and Cash, Accounting for Receivables, Liabilities, Corporations: Organization, Share Transactions, Dividends, and Retained Earnings Investments, Statement of Cash Flows, Financial Statement Analysis.

ACCT6329 – INTERMEDIATE ACCOUNTING (4 Credits)

Learning Outcomes: Apply the concepts, principles of financial reporting, accounting information system, income statement and statement of financial position, Apply the time value of money concept on the accounting topics, Explain the principle of recognition related assets and liabilities in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS), Apply the techniques in measurement and presentation related to assets and liabilities in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS), Analysis of assets and liabilities from the financial statement.

Topics: The Accounting Information System, Income Statement and Related Information, Statement of Financial Position and Statement of Cash Flows, Accounting and The Time Value of Money, Cash and Receivables, Inventories: A cost-Basis Approach and Additional Valuation Issues, Acquisition and Disposition of Property, Plant, and Equipment, Depreciation, Impairments, and Depletion, Intangible Assets, Current Liabilities, Provisions, and Contingencies.

ACCT6330 – INTRODUCTION TO COMPUTER & ACCOUNTING APPLICATION (4 Credits)

Learning Outcomes: Classify a large volume of data across multiple worksheets or pages of information in the file; Analysis data with formulas and functions; Create comparison of data by using chart, conditional formatting and spark lines function; Demonstrate the skill to setup initial data configuration in accounting application; Demonstrate the skill to correctly enter purchase, sales, banking, inventory, general journal entries and reports into accounting application.

Topics: Getting Started with Excel; Creating Formulas that Count and Sum; Getting Started Making Charts; Communicating Data Visually; Opening Setup – New Data File, Chart of Account, Customer, Supplier, and Link Account; Opening Balances

– Inventory; Purchase Transactions; Sales Transactions; Banking, General Entries, and Reporting; Introducing Formulas and Functions.

SUBJECT AREA: CHAR

CHAR6019 – CHARACTER BUILDING: PANCASILA (2 Credits)

Learning Outcomes: Explain Pancasila as the basis and the state ideology, Apply the values of Pancasila in action concerns, Analyze the ethical issues in developing science and technology, Analyze the issues of faith in God and tolerance in diversity, Analyze the problems of Pancasila democracy and justice.

Topics: Pancasila Education as Character Education, Pancasila as the State Ideology, Pancasila as the Ethical Basis in Developing Science and Technology, Faith in God, Just and Civilized Humanity, Human Rights, Multiculturalism, Cultures Interaction, Democratic Leadership, Social Justice.

CHAR6020 – CHARACTER BUILDING: KEWARGANEGARAAN (2 Credits)

Learning Outcomes: Explain the meaning of citizens, Explain the meaning of constitution, Explain the meaning of rights and obligation of citizen, Analyze the relation of Archipelago, social conflict and national integration, Describe the nature of national resilience, identity of Indonesia and nationalism, Describe how to participate in global citizen.

Topics: Introduction to Civics Education, The Others as Fellow Citizens, State and Constitution, The Rights of Citizens, The Archipelago of Indonesia, Diversity and Social Conflict, National Resilience, National Identity of Indonesia, Nationalism, Participation In Global Citizen.

CHAR6021 – CHARACTER BUILDING: AGAMA (2 Credits)

Learning Outcomes: Explain the nature of religions, Explain the knowledge of God through nature and human being, Explain the roles of religions for the world peace, Explain the conscience and the criticism to the religious formalism, Describe the influence of secularism to the religion, Apply the values of religion in the daily life.

Topics: Introduction to the CB Religion, Recognizing God by Nature, Recognizing God by Human Being, The Role of Religion for World Peace, Conscience, Criticism to the Religious Formalism, Religion and Secularism, Humble and Forgiving, Being a Religious Person, The Religious Meaning of Work.

SUBJECT AREA: COMP

COMP6127 – ALGORITHM DESIGN AND ANALYSIS (4 Credits)

Learning Outcomes: Explain fundamental concept of analysis algorithms; Apply algorithm techniques and methods; Calculate processing time and memory space of algorithms; Compare several algorithm design methods.

Topics: Introduction of design and analysis of algorithms, Mathematical induction and recursive function and Algorithms and complexity functions; Complexity of algorithms analysis, Stack and queue and Tree and binary tree; Priority queue and heap, Graph and Divide and conquer; Greedy methods; Dynamic Programming: Fibonacci Sequence Problem and Dynamic Programming: Coin Change Problem; Dynamic Programming: Multistage Graph and Dynamic Programming: Travelling Salesman Problem; Dynamic Programming: Knapsack Problem and Code Optimization; Huffman Code and Graph Colouring; Basic Search and Traversal, Backtracking; Branch and Bound, Designing algorithm with specified complexity, Practices of algorithm analysis.

COMP6130 – INTRODUCTION TO PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the kind of the algorithms in problem solving; Explain the usefulness of java syntax; Demonstrate the algorithm using Java syntax; Choose the best sorting in problem solving; Explain the object oriented concept.

Topics: Introduction to Algorithm; Introduction to Java Programming; Data Type and Input / Output; Basic Class; Arithmetic Operation; Logic and Relational Operation; Selection; Iteration Statement; Jump operations and exception Handling; Static and Dynamic Array; Methods; Sorting.

COMP6598 – INTRODUCTION TO PROGRAMMING (4 Credits)

Learning Outcomes: Design and apply the right algorithms to solve problem; Understanding the basic of Java programming; Apply Java in solving problem; Apply basic sorting algorithms in solving problem; Understanding object oriented concept in Java.

Topics: Introduction to Algorithm and Java Programming; Elementary Programming (Data Type and Input / Output); Elementary Programming (Operators); Selection; Loops; Exception Handling; Methods; Array; Sorting; Introduction to Object Oriented.

COMP6599 – ALGORITHM AND PROGRAMMING (6 Credits)

Learning Outcomes: Explain kind of algorithms in problem solving; Apply syntax and functions in C language in problem solving; Construct a program using C language in problem solving; Design a program with file processing using C language in problem solving; Choose the best sorting and searching algorithm in problem solving.

Topics: Introduction to Algorithm and Programming; Format Input Output; Operator, Operand, and Arithmetic; Program Control: Selection & Repetition; Pointers and Arrays; Function and Recursion; Structures & Union; Memory Allocation; File Processing; Sorting & Searching.

COMP6600 – OPERATING SYSTEM (4 Credits)

Learning Outcomes: Learn the principles operating systems; Understand relationship between subsystems of a modern operating system; Develop multi-process and multi-threaded applications; Evaluate the efficiency aspect of using system resources (processor, memory, disk).

Topics: Introduction to operating systems; Operating system structures, computer hardware properties; Process concept in modern operating systems; Multi-processes; Thread concept and multi threading; Process synchronization; Process synchronization; Deadlocks in multi processing; Memory management; Virtual memory management; CPU scheduling algorithms; File system; Disk subsystem.

COMP6601 – DATA STRUCTURES (6 Credits)

Learning Outcomes: Explain the concept of data structure and its usage in application; Demonstrate how to create any learned data structure; Analyze the usage of data structure in application; Design a proper data structure needed in application.

Topics: Introduction to Data Structure; Linked List I – Single Linked List; Linked List II – Doubly Linked List; Stack & Queue; Tree, Binary Tree and Expression Tree; Binary Search Tree; AVL Tree; 2-3 Tree; Heap and Deap; Hashing.

SUBJECT AREA: ECON**ECON6032 – MANAGERIAL ECONOMICS (4 Credits)**

Learning Outcomes: Explain the role of supply and demand in determining price in a competitive market and demonstrate supply and demand concept to economic and business strategy issues; Explain the theory individual behavior in managerial decision and calculate the profit – maximizing price and output; Design competition strategies, including pricing, product differentiation, according to the natures of products and the structures of the markets; Evaluate why networks often lead to first-mover advantages and how to use strategies such as penetration pricing to favorably change the strategic environment.

Topics: Market force analysis in managerial economic, Quantitative demand analysis in managerial evaluation for decision making, The function of theory individual behavior in managerial decision, The production process and cost analysis in organization of the firm, Evaluation of the nature evaluation of industry, Strategic managing competitive, monopolistic, and monopolistically competitive markets, Oligopoly model: basic and game theory, Market power in pricing strategies for firms, The economics of information, Evaluation of advanced topics in business strategy.

ECON6066 – MACRO AND MICRO ECONOMICS (6 Credits)

Learning Outcomes: Explain the economics study; Calculate equilibrium market, elasticity, production, and cost production; Analyze the difference of structure market in microeconomics; Calculate measuring GDP and economic growth and monitoring macroeconomics performance; Combine macroeconomics trends and policy

Topics: Introduction to economics; Supply, Demand and Government Policies; Household Behavior and Consumer Choice; The Production and cost; The market structure; Measuring Nation's Income and Economics Growth; A macroeconomics theory of the close and open economy; Fiscal Policy; Monetary Policy; International Trade Policy

ECON6068 – MANAGERIAL ECONOMICS AND ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain basic concept of Managerial Economic; Apply economic managerial theory in industry; Use economic managerial model in decision making process, Analyze strategic opportunities and maintain competitive advantage; Interpret cost analysis and activity based costing within case study; Interpret balance scorecard as strategic management within case study; Appraise just in time and quality within case study; Interpret transfer pricing and environmental cost within case study; Appraise the impacts of decisions making in the organization.

Topics: Managerial Economic; Demand Theory; Demand Estimation; Production Theory; Cost Behaviour; Elasticity; Market Structure; Market Structure (2); Pricing Strategy; Investment Analysis; Investment Analysis (2); Forecasting; Decision Theory, Controller, and Cost Accounting; The Balanced Scorecard; The Cost of Quality and Accounting for Production

Losses; Activity Accounting: Activity-Based Costing and Activity-Based Management; Just-In-Time and Backflushing; Transfer Pricing; Environmental Cost Management.

ECON6069 – ENGINEERING ECONOMY (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain basic concept of economic theory; Apply consumer behavior, producer behavior, and market equilibrium (Microeconomics) and inflation, unemployment, and economic growth (Macroeconomics); Analyze market structures in Microeconomics markets, goods market and financial markets in macroeconomics markets, and economic system and economic crisis.

Topics: The Scope of Microeconomics; Supply, Demand, Market and consumer Behavior; The Production Process and Cost Process; Input Demand: The labor, Land Markets; Structure Market: Perfect Competition, Monopoly, Oligopoly and Monopolistic Competition; Externalities and Asymmetric Information; The Scope of Macroeconomics: Unemployment, Inflation, Growth, and Income Distribution; Aggregate Output; The Government and The Fiscal Policy; The Money Supply and Money Demand and The Monetary Policy.

SUBJECT AREA: ENGL

ENGL6163 – ENGLISH PROFESIONAL (4 Credits)

Learning Outcomes: Demonstrate The Intermediate-level Academic English Listening skills of Basic Comprehension, Pragmatic standing, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 15 of scale 30), Demonstrate The Intermediate-level Academic English Reading skills in Finding Information, Basic Comprehension, and Reading to Learn (a minimum of iBT TOEFL Reading scaled score of 15 of scale 30), Demonstrate The Intermediate-level Business English speaking skills in terms of Delivery, Clarity and Appropriacy (a minimum of BINUS English Speaking scaled score of 15 of scale 30), Demonstrate The Intermediate-level Academic English writing skills in terms of Introduction, Middle and Conclusion (a minimum of BINUS English Writing scaled score of 15 of scale 30).

Topics: Basic Comprehension, Vocabulary/Reference, Error Correction, Pragmatic Understanding & International Marketing, Error Connection & Risk, Details & Inferences, Connecting Information & Essay Writing, Error Correction & takeovers/mergers, Error Correction and Crisis Management, Inferences & Reading to learn.

SUBJECT AREA: ENTR

ENTR6081 – ENTREPRENEURSHIP (4 Credits)

Learning Outcomes: Identify personality of entrepreneurs and innovative business idea, Analyze business model and business model environment, Generate the nature of entrepreneurship and the management of own project, Categorize the business model of the business, Construct the business plan of new business.

Topics: Entrepreneurship and The Personality of Entrepreneurship, Market Overview, Idea Generation and Business Model, Customer Insight and Developing Value Proposition and How to Get In Touch with Customer, Recognizing Business Keys and the Financial Aspects of the Business, Dealing with Expo and Market Segmentation, Personalized Your Business No-Redefining the Business Model, Defining the Core of the Business – Case Study: Market, Mapping the Sales Proces – Case Study: Value Proposition, Designing the Business Model and Identifying the Key Assumptions, How to Develop Product Plan and Product Design, Evaluating Business Model and Organizing the Business.

SUBJECT AREA: ISYS

ISYS6295 – MANAGEMENT INFORMATION SYSTEMS (4 Credits)

Learning Outcomes: Explain the basic concepts of information systems; Illustrate various strategies for achieving competitive advantage; Illustrate the application of information systems that support the entire organization & inter-organizational information system.

Topics: Introduction to Information Systems; Organizational Strategy, Competitive Advantage, and Information Systems; Ethics, Privacy and Information Security; Data and Knowledge Management; Telecommunications and Networking; E-Business and E-Commerce; Information Systems within the Organization; Customer Relationship Management and Supply Chain Management; Business Analytic; Acquiring Information System and Applications.

ISYS6299 – INFORMATION SYSTEM CONCEPT (4 Credits)

Learning Outcomes: Define the basic concepts of information systems; Explain the concepts of information system development; Illustrate the application of information systems in the business world.

Topics: Introduction to Information Systems, Organizational Strategy, Competitive Advantage, and Inf. Systems, Ethics and Privacy, Information Security, Data and Knowledge Management, Telecommunications and Networking, E-Business and E-

Commerce, Wireless, Mobile Computing and Mobile Commerce, Social Computing, Information Systems within the Organization, CRM and SCM, Business Analytics, Acquiring Information Systems and Applications, Hardware and Software, Cloud Computing, Intelligent Systems.

ISYS6300 – BUSINESS PROCESS FUNDAMENTAL (4 Credits)

Learning Outcomes: Explain the concept of the organization include: core business, business strategy, business functions, customers, suppliers, partners and business process; Describe the relationship of business processes and business activities, operating events, information events and decision/management events, and REA modeling; Design the DFD, ERD and database models by using REA model approach; Implement the DFD and system flowchart to the revenue cycle, expenditure cycle, the production cycle, HRD cycle and general ledger and financial reporting; Elaborate the integration of functional IT applications in an enterprise.

Topics: Business Processes, Database Concept II, System Documentation, The Revenue Cycle, Internal Controls II, The Expenditure Cycle, The Production Cycle, The General Ledger and Financial Reporting Cycle, The HR Management and Payroll Cycle, Systems Development.

ISYS6305 – ENTERPRISE SYSTEM (4 Credits)

Learning Outcomes: Explain the technical foundation of ERP systems and understand the implementation process; Explain information on the ERP development life cycle, the process of selecting software and vendors, how to manage an ERP implementation project, and how to understand the concept of metrics and evaluation in an organization; Analyze the issues dealing with people and organizational change, business process reengineering, change management, operational and post-implementation activities, and the role of ethics and globalization; Analyze to integrate the two other enterprise-level applications, Supply Chain Management, and Customer Resource Management with ERP systems.

Topics: Overview Part 1, Systems Integration, Enterprise Systems Architecture, Development Life Cycle, Implementation Strategies And Vendor Selection, Operations and Post-implementation, Program and Project Management, Organizational Change and Business Process Reengineering, Global, Ethics, and Security Management, Supply Chain Management, Customer Relationship Management.

ISYS6310 – INFORMATION SYSTEMS PROJECT MANAGEMENT (4 Credits)

Learning Outcomes: Explain the need of project management; Plan the steps for project management; Identify problems that faced in project management; Utilize tools in preparing project Management; Calculate the cost, time and resources in project management.

Topics: An Overview of IT Project Management, The Business Case, The Project Charter, The Project Team, The Scope Management Plan, The Work Breakdown Structure, The Project's Schedule and Budget, The Risk Management Plan, The Project Communication Plan, The IT Project Quality Plan.

ISYS6505 – INFORMATION SYSTEM DEVELOPMENT (4 Credits)

Learning Outcomes: Explain the system analyst role and skills in developing the information system; Demonstrate the system development life cycle and feasibility study; Create the use case table and explain the use case analysis; Create a Data Flow Diagram (DFD) as a process model and ERD as data model; Design the system architecture, user interface, programs and data storage; Design a structure chart and data storage.

Topics: The Systems Analyst and Information Systems Development, Project Selection And Management, Requirements Determination, Use Case and Use Case Analysis, Data Modelling, Process Modelling, The Design Phase, Design Strategy, and Architecture Design, User Interface Design, Program Design, Data Storage Design, Moving into Implementation, Transition to the New System.

ISYS6506 – INFORMATION SYSTEMS ANALYSIS AND DESIGN (6 Credits)

Learning Outcomes: Explain the methodology in Software Development Life Cycle; Define User Requirements; Create Modeling Tools for Documenting the Requirements; Define Design Activities; Create Documentation for Design Activities; Define Implementation and Deployment Activities.

Topics: From Beginning to End: An Overview of Systems Analysis and Design, Project Planning and Project Management, Investigating System Requirements, Modelling the Functional Requirements, Modelling the Structural Requirements, Essential of Design, Use Case Realization, Designing the User Interfaces, Designing the Database, Implementation and Deployment Activities.

ISYS6507 – TESTING AND SYSTEM IMPLEMENTATION (4 Credits)

Learning Outcomes: Explain the foundation of testing project; Design the testing management plan for a software; Design the testing implementation plan for a software; Design the software implementation plan.

Topics: Foundation for Testing Project, Test Management – Organization, Test Management – Planning, Test Design, Bug Management, Controlling and Monitoring Testing, Template and Models in Test Management, Others players in Testing Project, Review for Testing Project, Implementation.

ISYS6508 – DATABASE SYSTEMS (6 Credits)

Learning Outcomes: Identify concept of Database System; Design conceptual database; Construct SQL that suit with the problem; Implementing SQL in advanced; Describe trends in Database System

Topics: Introduction to Database & Environment; Relational Model and Relational Algebra; Entity Relational Model; Normalization; Data Definition; SQL: Data Manipulation; Advanced SQL; Object-Oriented DBMSs Concept; Semi-Structured Data and XML; Security and Administration.

ISYS6509 – USER EXPERIENCE (4 Credits)

Learning Outcomes: Explain what the UX and its elements; Explain the benefit good UX and methods to plan, analysis, design and build UX; Identity and Analyse the requirement based on research outcomes; Apply Design principle to prototyping an design UX; Create UX for a Business, base on design; Examine the quality of UX and integrated it to whole system.

Topics: Introduction UX, UX Design Methodology, Business Requirement, User Research, Creating Persona, Content Strategy, UX Design Principle, Site Maps and Taskflow, Wireframe and Annotation, Prototyping, Design Testing with User, Transition : From design to development.

SUBJECT AREA: LANG

LANG6031 – INDONESIAN (2 Credits)

Learning Outcomes: Mengidentifikasi kesalahan diksi dan ejaan dalam kalimat, Membuat paragraf akademik dengan diksi dan kalimat efektif, Menyusun karangan ilmiah sederhana.

Topics: Arti dan Fungsi Bahasa, Sejarah, Perkembangan, Fungsi dan Kedudukan Bahasa Indonesia, Ragam Bahasa, Ejaan Yang Disempurnakan (EYD), Diksi dan Definisi, Kalimat Efektif, Paragraf Akademik, Jenis dan Sistematika Karangan ilmiah, Teknik Pengutipan dan Penulisan Sumber Referensi, Presentasi Ilmiah.

SUBJECT AREA: LAWS

LAWS6113 – INTRODUCTION TO COMMERCIAL AND PRIVATE LAWS (2 Credits)

Learning Outcomes: Identify the theory and key concepts of commercial and private laws, Explain the basic principles of business agreement and the legal aspects relating to financial field, Classify the legal aspects relating to financial business such as property and security laws, banking and non banking financial law, capital market law, investment law and alternative disputes resolution, Apply the theory and key concepts of commercial and private laws relating to financial fields.

Topics: Introduction to Indonesia Law, Law of Obligations and Legal Agreement, Legal Aspects of Companies, Property and Collateral Laws, Intellectual Property Rights, Legal Aspects of Banking and Non Banking Financing, Capital Market Law, Investment Law, Bankruptcy Law, Arbitration and Alternative Dispute Resolution.

SUBJECT AREA: MATH

MATH6077 – DISCRETE MATHEMATICS (4 Credits)

Learning Outcomes: Explore the logic of mathematics in real life; Illustrate basic concept of set and relation; Apply basic concept of graph and tree; Explain basic concept of finite automata.

Topics: The logic of compound statements, The logic of quantified statements, Methods of proof, Counting, Set theory, Function, recursion, and fuzzy set, Relations, Graphs, Trees, Finite Automata.

MATH6082 – CALCULUS I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the basic concept of limit and derivative for some real problem; Explain the function of two or more variables; Illustrate integral by geometrically and physically; Construct some function by infinite series.

Topics: Preliminaries; Limits; The derivatives; Application of the derivatives; Indeterminate forms and L'Hopital Rule's; Function of two or more variable; The definite integral and Techniques of Integration; Application of integral; Improper Integral; Infinite series.

MATH6094 – CALCULUS II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain elementary signal; Use laplace transform and inverse laplace; Build state variable and state equation; Adopt Fourier series and Fourier transform; Use Discrete-Time Systems and the Z Transform.

Topics: Elementary Signals; Laplace Transform; Laplace Transform Application; Inverse Laplace Transform; State Variable and State Equation; Fourier Series; Fourier Transform; Fourier Application; Discrete-Time Systems and the Z Transform.

MATH6102 – BUSINESS MATHEMATICS (4 Credits)

Learning Outcomes: Explain learning of mathematics basic concept; Apply mathematic formula concept in particular case; Analyze the problem of macro and micro economics also using of basic mathematics concept using formula in order to analyze business.

Topics: Applications and More Algebra, Functions and Graphs, Lines, Parabolas, and Systems, Exponential and Logarithmic Functions, Mathematics of Finance, Matrix Algebra, Differentiation, Multivariable Calculus, Integration, Application of Integration.

MATH6132 – CALCULUS AND LINEAR ALGEBRA (6 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the concepts of derivative and integral for some real problems; Apply the convergence of infinite series; Solve the first order differential equation; Solve systems of linear equations using matrix operations; Explain vector operations and their geometric interpretations; Calculate eigenvalues and eigenvectors of matrix and their applications.

Topics: The derivatives and Applications; Integral and Applications; Infinite series; First order differential equation; Systems of Linear Equations; Matrix; Determinant and Inverse of Matrix; Vectors; Line and Plane Equations; Eigenvalues and Eigenvectors.

SUBJECT AREA: MGMT**MGMT6072 – INTRODUCTION TO MANAGEMENT AND BUSINESS (4 Credits)**

Learning Outcomes: Describe the principles of management, doing and managing business in a global environment, making decisions, business environment, economic condition, social responsibility in business and basic forms of business ownership; Explain challenges for the global manager, the decision making process, setting goals and plans, competitive strategies and mechanistic and organic structure, production processes, marketing and financial management; Analyze goals and plans, the strategic management process, contemporary organizational design, the changing workplace, group development, and current issues in motivation, leadership, type of control, marketing mix and financial management; Apply innovation process, workplace diversity, effective teams and interpersonal communication, contemporary theories of motivation and leadership and tools for measuring organizational, different markets, financial planning and function of securities markets.

Topics: Foundations of Management and Organization in Global Management, Foundations of Planning and Strategic Management, Foundations and Contemporary of Organizational Design and Change and Innovation, Leadership and Motivation, Communication and Foundations of Control, Understanding How Economics Affects Business and Socially Responsibility Behavior, How a Firm A Business and Entrepreneurship Starting a Small Business, Production and Operations Management, Marketing: Helping Buyer Buy, Financial Management.

MGMT6138 – LEADERSHIP & ORGANIZATIONAL BEHAVIOR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand people and organization's behaviors; Identify the reasons of organizational events take place; Work with, manage, and change people's behavior and motivation in organizations as well as forecast and influence organizational events; Understand work ethics in leadership.

Topics: Individual behavior, values, and personality; Perception and learning in organization; Workplace emotions and attitudes; Motivation in a workplace; Job satisfaction; Applied performance practices; Decision making and creativity; Team dynamics; Developing high performance team; Communicating in teams and organization; Power and influences in a workplace; Conflict and negotiation in the workplace; Leadership in organizational settings; Organizational structure, structure, and change; Transformational perspective of leadership; Cross cultural and gender issues in leadership.

SUBJECT AREA: MKTG**MKTG6113 – MARKETING MANAGEMENT (4 Credits)**

Learning Outcomes: Define the concept of marketing; Describe the consumer and business buyer behavior; Describe the customer-driven strategy and marketing mix; Explain extended marketing issues.

Topics: Marketing: Creating and Capturing Customer Value, Company and Marketing Strategy and Analyzing the Marketing Environment, Managing Marketing Information to Gain Customer Insights, Consumer and Business Buyer Behaviour, Customer-Driven Marketing Strategy, Product, Services, and Brands: Building Customer Value, Pricing: Understanding and Capturing Customer Value, Marketing Channels: Delivering Customer Value, Communicating Customer Value: IMC Strategy, Creating Competitive Advantage, The Global Marketplace and Sustainable Marketing: Social Responsibility and Ethics.

SUBJECT AREA: SCIE**SCIE6042 – PHYSICS I (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Utilize the system units and convert units of physical quantities; Use vectors to describe physical observations; Explain concept of motion along straight line; two-dimensional motion, force and motion, energy and conservation of energy, rotational motion, equilibrium and elasticity, and its application; Identify concept of center of mass and linear momentum, fluids, oscillations, waves and temperature, and its application.

Topics: Introduction; Vectors; Motion Along Straight Line; Two- Dimensional Motion; Force and Motion; Energy and Work; Potential Energy and Conservation of Energy; Joint Class 1 (Industrial, Civil & Computer Engineering); Center of Mass and Linear Momentum; Rotational Motion; Equilibrium and Elasticity; Gravitation; Fluids; Oscillations; Joint Class 2 (Industrial, Civil & Computer Engineering); Waves; Temperature, Heat and the First Law of Thermodynamics.

SCIE6043 – INDUSTRIAL CHEMISTRY (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analyze the mole concept in chemical reactions; Calculate the concept of stoichiometry in the reaction gas; Identify Various kinds of chemical bonds; Calculate the energy reaction, rate of reaction and equilibrium constant; Calculate the amount of metal plated, amount of current needed or the time required for an electrolysis process; Explain of chemical compounds that are harmful to the environment and how to prevent it.

Topics: Molecul, mol and Chemical equation; Stoichiometry; Gases; Chemical Bonding and Molecular Structure; Thermodynamics; Chemical Kinetics; Chemical Equilibrium; Electrochemistry; Chemical Safety and Security; Environmental Chemistry.

SUBJECT AREA: TAXN**TAXN6040 – Taxation (6 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Explain overview of Indonesian taxation; Calculate specific withholding income taxes and annual income tax; Calculate VAT (PPN&PPNBM); and prepare corporate annual fiscal reconciliation and tax return

Topics: Calculating annual income tax and final income taxes: Income tax article 21, Income tax article 22, Income tax article 23, Income tax article 24, 25, 26; Fiscal reconciliation and annual income tax return (SPT Tahunan); General provisions and tax procedures; VAT and sales tax on luxury goods; Tax on land and buildings; Tax on acquisition of land and buildings; Overview of Tax Planning: Domestic Tax Planning; International Tax Planning

7. Student Creativity Development Center

To improve the reasoning, interest, talent, activity, prosperity and service of the students to their community and to student affairs in the university, BINUS UNIVERSITY established the students affairs organization which was arranged by Decree of the Minister of Education and Culture No 155/U/1998 which legalized, on 30 June 1998, the General Guidelines of Student Affairs and Rector decree of BINUS UNIVERSITY No: 2019/SK/ORG-MHS-UBN/XI/2002 and Establishment Guidelines of Student Affairs Organization of BINUS UNIVERSITY.

SCDC coordinates several organizations as follows:

Student Department Association/Himpunan Mahasiswa Jurusan (HMJ)

There are 23 HMJ:

1. Student Association of Informatics Engineering/Himpunan Mahasiswa Teknik Informatika (HIMTI)
2. Student Association of Computer Engineering/Himpunan Mahasiswa Teknik Komputer (HIMTEK)
3. Student Association of Informatics management/Himpunan Mahasiswa Sistem Informasi (HIMSISFO)
4. Student Association of Computerized Accounting/Himpunan Mahasiswa Komputerisasi Akuntansi (HIMKA)
5. Student Association of Mathematics/Himpunan Mahasiswa Matematika (HIMMAT)
6. Student Association of Statistics/Himpunan Mahasiswa Statistik (HIMSTAT)
7. Student Association of Industrial Engineering/Himpunan Mahasiswa Teknik Industri (HIMTRI)
8. Student Association of Civil Engineering/Himpunan Mahasiswa Teknik Sipil (HIMTES)
9. Student Association of Architecture/Himpunan Mahasiswa Arsitektur (HIMARS)
10. Student Association of Visual Communication Design/Himpunan Mahasiswa Design Komunikasi Visual (HIMDKV)
11. Student Association of Economics Management/Himpunan Mahasiswa Manajemen Ekonomi (HIMME)
12. Student Association of Accounting/Himpunan Mahasiswa Akuntansi (HIMA)
13. Student Association of English/Himpunan Mahasiswa Sastra Inggris (HIMSI)
14. Student Association of Japanese/Himpunan Mahasiswa Sastra Jepang (HIMJA)
15. Student Association of Mandarin/Himpunan Mahasiswa Sastra Mandarin (HIMANDA)
16. Student Association of Communication/Himpunan Mahasiswa Communication (HIMCOMM)
17. Student Association of Psychology/Himpunan Mahasiswa Psikologi (HIMPSIKO)
18. Student Association of Hotel Management (HOME)
19. Student Association of Interior Design (HIMDI)
20. Student Association of Business Law (HIMSLAW)
21. Student Association of International Relation (HIMHI)
22. Student Association of Food Technology (HIMFOODTECH)
23. Student Association of Primary Teacher Education (HIMPGSD)

Student Activity Unit (UKM)

There are 44 UKM that consists of:

12 UKM of Reasoning:

1. Bina Nusantara Computer Club (BNCC)
2. Bina Nusantara English Club (BNEC)
3. Bina Nusantara Mandarin Club (BNMC)
4. Nippon Club (NC)
5. ISACA Student Group (ISG)
6. Binus Student Learning Community (BSLC)
7. Binus Game Development Club (BGDC)
8. Cyber Security Community (CSC)
9. B-Preneur
10. International Marketing Community of Binus (IMCB)
11. Bina Nusantara Finance Club (BNFC)
12. Binus Business International Club (BIC)

9 UKM of Arts and Communication Media:

1. Band
2. Paduan Suara Mahasiswa Bina Nusantara (PARAMABIRA)
3. Seni Teater Mahasiswa Bina Nusantara (ST Manis)
4. Seni Tari Mahasiswa Bina Nusantara (STAMANARA)
5. Bersama Dalam Musik (BDM)
6. Klub Seni Fotografi Bina Nusantara (KLIFONARA)
7. Binus TV Club
8. Nusantara BVoice Radio
9. Kine Club

13 UKM of Sports and Martial Arts:

1. Aikido
2. Badminton
3. Basketball
4. Bina Nusantara Swimming Club (BASIC)
5. Bina Nusantara Softball-Baseball Club (BNSC)
6. Bina Nusantara Automotive Club (BNAC)
7. Football
8. Karate
9. Mahasiswa Bina Nusantara Pencinta Alam (SWARANAPALA)
10. Merpati Putih (MP)
11. Taekwondo
12. Wushu

13. Volleyball

10 UKM of Religion and Society:

1. Keluarga Besar Mahasiswa Khonghucu (KBMK)
2. Keluarga Mahasiswa Buddhis Dhammavaddhana (KMBD)
3. Keluarga Mahasiswa Hindu (KMH)
4. Keluarga Mahasiswa Katholik (KMK)
5. Majelis Ta'lim (MT)
6. Persekutuan Oikumene (PO)
7. AIESEC
8. Binus Square Student Committee (BSSC)
9. Forum Paskibra Bina Nusantara (FOPASBIN)
10. Teach for Indonesia Student Committee (TFISC)

Student Creativity Development Center at BINUS UNIVERSITY conducts training to improve the management and leadership skills of the students (Latihan Keterampilan Manajemen Mahasiswa/LKMM) several times in one year to promote management and leadership skills to the potential activists who have capability to become future leader.

**Achievement List
From May 2017 until June 2018**

No.	Faculty/UKM/HMJ	Events	Achievements	Level
1.	Atletik	Thailand Open	4 Besar Kategori 200m	International
2.	B-Voice	Radio Announcing Competition	Juara 1	Jabodetabek
3.	B-Voice	Radio Announcing Competition	Juara 3	Jabodetabek
4.	Sistem Komputer	GIGABYTE Master Your Ryzen 2017 Overclocking Contest	Ranking 1	International
5.	Hotel Management	ASEAN Skills Competition (ASC) XII Seleksi Daerah DKI JAKARTA (Cooking Competition)	Juara 1	Jabodetabek
6.	Hotel Management	ASEAN Skills Competition (ASC) XII Seleksi Daerah DKI JAKARTA (Cooking Competition)	Juara 2	Jabodetabek
7.	DKV New Media	2017 Adobe Design Achievement Awards	Semi Finalist	Nasional
8.	Arsitektur	Temu Karya Ilmiah Mahasiswa Arsitektur Indonesia XXXIII	Juara 3	Nasional
9.	Teknik Industri	Institute of Industrial & Systems Engineers (IISE)	IISE Gold Award	International
10.	Ilmu Komunikasi	Jakarta Sister City Youth Program	Juara 1	Nasional
11.	BNEC	JOVED	1st Best Speaker	Nasional
12.	Hubungan Internasional	IHL Debate	Juara 2	Nasional
13.	Karate	Kyokushin-kan Indonesia Open Tournamenent 2	Juara 1 Kelas ≤ 80 Kg	Nasional
14.	Akuntansi dan Keuangan	CIMA Student Ambassador	Juara 1	Nasional
15.	Sastra Jepang	Lomba Pidato Wakayama ke 36	Juara 1 (Peserta dari beberapa negara: Indonesia, China, Thailand, Filipina, dll)	International

No.	Faculty/UKM/HMJ	Events	Achievements	Level
16.	Stamanara	MEIKARTA Festival	Juara 2	Jabodetabek
17.	Stamanara	STAGE	Juara 2	Jabodetabek
18.	Karate	Kyuokushin-kan Indonesia Open Tournament	Juara 1 Kelas +80 Kg	Nasional
19.	School of Computer Science	ACM ICPC Provincial Maranatha 2017	Juara 2	Nasional
20.	School of Computer Science	ACM ICPC Provincial Maranatha 2017	Juara 3	Nasional
21.	School of Computer Science	ACM ICPC Provincial Maranatha 2017	Honorable Mention	Nasional
22.	Faculty of Engineering	ACM ICPC Provincial Maranatha 2017	Honorable Mention	Nasional
23.	Badminton	BBC	Juara 3 Beregu Putra	Nasional
24.	Badminton	BBC	Juara 2 Ganda Campuran	Nasional
25.	Badminton	TSM Cup	Juara 1 Beregu Putra	Jabodetabek
26.	Badminton	TSM Cup	Juara 1 Ganda Campuran	Jabodetabek
27.	Badminton	TSM Cup	Juara 2 Ganda Campuran	Jabodetabek
28.	Sistem Komputer	HWBOT World Tour – OC World Championship Yogyakarta 2017 Qualifier	Juara 1	International
29.	Sistem Komputer	AOCT 2017: New Challenge	Juara 1	Nasional
30.	SOBM	Udayana Marketing Plan Competition	Juara 2	Nasional
31.	Hubungan Internasional	President MUN 2017	Juara 3	Nasional
32.	Karate	Piala Panglima TNI 2017	Juara 1 Kumite U-21 -68 Kg	Nasional
33.	Basket	Libama	Juara 3 Basket Putra	Jabodetabek
34.	SLC	National Selection for ASC 12th 2018	Juara 1	Nasional
35.	SLC	National Selection for ASC 12th 2018	Juara 2	Nasional
36.	SLC	National Selection for ASC 12th 2018	Juara 3	Nasional
37.	Akuntansi dan Keuangan	Festival Pajak 2017	Juara 3	Nasional
38.	Akuntansi dan Keuangan	Diponegoro Accounting's Harmony (DASH 2017)	Juara 2	Nasional
39.	Sistem Komputer	AOCT 2017 (<i>Amateur Overclocking Tournament</i>)	Juara 2	Nasional
40.	Stamanara	Lomba Modern Dance SIXPLOSION	Juara 2	Jabodetabek
41.	Sistem Informasi	Diponegoro Business Case Competition 2017	Juara Favorit	Nasional
42.	Hubungan Internasional	President University Model United Nations	Juara 3	Nasional
43.	Wushu	Kejurnas Wushu Junior	Juara 1 Dao Shu Junior Putri	Nasional
44.	Wushu	Kejurnas Wushu Junior	Juara 1 Gun Shu Junior Putri	Nasional
45.	Wushu	Asia Wushu Junior, IX	Juara 1 Gunshu A Putri	Internasional
46.	Wushu	Asia Wushu Junior, IX	Juara 2 Daoshu	Internasional
47.	DKV CA	Student Creative Award for Print, Spikes Asia 2017	1st WINNER	Internasional
48.	Karate	Kejuaraan Panglima	Best of the best Kategori	Nasional
49.	Business Law	Battle of Brain Business Law Competition	Juara 3	Nasional
50.	BNEC	FT 2017	2nd Best Speaker	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
51.	Teknik Industri	Think Safety Competition 2017	Juara 1	Nasional
52.	BNEC	e.Com	3rd Winner Speeling Bee	Nasional
53.	Sepakbola	Universiade UI	Juara 3	Nasional
54.	Akuntansi dan Keuangan	The 3rd National Investment Day	Juara 1	Nasional
55.	Sistem Komputer	Overclocking Competition (Senior Class)	Juara 2	Nasional
56.	Sistem Komputer	Flash Crimping Competition	Juara 2	Nasional
57.	Sistem Komputer	Build-a-PC Competition	Juara 2	Nasional
58.	Wushu	Test Event Wushu ASIAN Games 2018	Medali Perunggu, Kategori Nan Gun Putera	Asia
59.	Wushu	Test Event Wushu ASIAN Games 2018	Medali Perunggu, Kategori Nan Dao Putera	Asia
60.	Teknik Industri	Kompetisi Rekayasa Kualitas Trisakti Tingkat Nasional V	Juara 3	Nasional
61.	BOL	Kompetisi Inklusi Keuangan (KOINKU) 2017	Juara 1 Tingkat Nasional kategori Akademisi dalam	Nasional
62.	Atletik	POMNAS XV 2017, Makasar	Medali Perak Cabang Atletik, lari 200 m, Putri	Nasional
63.	Atletik	POMNAS XV 2017, Makasar	Medali Emas, Atletik nomor Estafet 4 x 100 m Putri	Nasional
64.	Atletik	POMNAS XV 2017, Makasar	Medali Emas Atletik Estafet 4 x 400 m Putri	Nasional
65.	Karate	POMNAS XV 2017, Makasar	Medali Emas Kumite – 68 Kg Putri	Nasional
66.	Selam	POMNAS XV 2017, Makasar	Medali Emas, Selam, nomor OBA Mcourse Putri	Nasional
67.	Selam	POMNAS XV 2017, Makasar	Medali Perak, Selam, nomor Fin Swimming 2000 m	Nasional
68.	Selam	POMNAS XV 2017, Makasar	Medali Perunggu, Selam, nomor 5 Point Putri	Nasional
69.	DKV New Media	Ultigraph Award	Gold, The Best Font Design for Graphic Design Category	Nasional
70.	International Marketing	PKM-AI (Program Kreativitas Mahasiswa - Artikel Ilmiah) tahun 2017	Hibah DIKTI	Nasional
71.	DKV New Media	Behance Portfolio Review Jakarta 2017	Juara 2	Nasional
72.	Hotel Management	International Competition : Cook Australian Grass-fed beef Competition	3rd Place	International
73.	Sistem Informasi	ASEAN Data Science Explorer (ADSE SAP)		International
74.	Sistem Informasi	Himsisfo Competition cabang lomba IS Case Solution		Jabodetabek
75.	DKV AN	ReelOzInd Film Festival	1st WINNER	International
76.	Paramabira	The 14th Edition of The International Choir Contest of Flanders-Maasmechelen, Belgia	Juara 2 di Kategori Equal Voices	International
77.	Paramabira	The 14th Edition of The International Choir Contest of Flanders-Maasmechelen, Belgia	Juara 2 di Kategori Mixed Voices	International

No.	Faculty/UKM/HMJ	Events	Achievements	Level
78.	Paramabira	The 14th Edition of The International Choir Contest of Flanders-Maasmechelen, Belgia	The Best Performance of The Compulsory Work in The Mixed Choirs (Penampilan Terbaik Lagu Wajib Kategori Mixed Choirs)	International
79.	Paramabira	The 14th Edition of The International Choir Contest of Flanders-Maasmechelen, Belgia	Prize of The Audience	International
80.	Hubungan Internasional	Paramadina Model United Nations	Best Position Paper (Juara Harapan 1)	Nasional
81.	Karate	Elite Kyokushin Open Invitational Weight Category Championship	Juara III Dewasa Putra ≤ 65 Kg	Internasional
82.	Karate	Elite Kyokushin Open Invitational Weight Category Championship	Juara I Dewasa Putra ≤ 75 Kg	Internasional
83.	Ski Air dan Wakeboard	Kejuaraan Nasional Junior	Juara 2 Wakeboard U-21 Putri	Nasional
84.	International Marketing	BSLC Business Case Competition	Juara 1	Nasional
85.	School of Computer Science	The 2017 ACM-ICPC Indonesia National Contest	Juara 2	Nasional
86.	School of Computer Science	The 2017 ACM-ICPC Indonesia National Contest	Honorable Mention	Nasional
87.	Faculty of Engineering	The 2017 ACM-ICPC Indonesia National Contest	Honorable Mention	Nasional
88.	School of Computer Science	Competitive Programming FesTlval 2017 UMN	Juara 1	Nasional
89.	School of Computer Science	Competitive Programming FesTlval 2017 UMN	Juara 3	Nasional
90.	School of Computer Science	LINE Creativate 2017	Juara 3 Kategori Chatbot - Game	Nasional
91.	School of Computer Science	Kalibrr Kode Indonesia 2017	Rank 1	Nasional
92.	School of Computer Science	Kalibrr Kode Indonesia 2017	Rank 3	Nasional
93.	Ilmu Komunikasi	2017 International Organization Forum & Beijing Sister City Youth Camp	Delegasi dari Indonesia	Internasional
94.	Sistem Komputer	PKM GT	Tempat Sampah Pintar	Nasional
95.	Teknik Industri	PKM AI	Analisis Pengendalian Kualitas Produk Box 60 Kg Dengan Metode DMAIC Pada PT Maxfos Prima	Nasional
96.	Psikologi	PKM AI	Media: Pemicu Prasangka Terhadap Perempuan Bercadar	Nasional
97.	Teknik Informatika	PKM AI	Aplikasi Face Recognition dalam Pencarian Muka Secara Spesifik	Nasional
98.	Teknik Informatika	PKM AI	Transkripsi Musik Otomatis pada Sistem Berbasis Android dengan Perbandingan Pendekatan Supervised Dan Unsupervised Learning	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
99.	HIMSISFO	E-Business Competition ENFORCE	2nd place	Kota
100.	BNEC	WUPID	3rd Best Speaker	Nasional
101.	BNEC	WUPID	1st Best Speaker	Nasional
102.	BOL	Lomba Karya Tulis Ilmiah	Juara 2	Nasional
103.	International Business Management	Grand Economics 2017: Debate Competition	Juara 4	Nasional
104.	Sistem Informasi	SIS Design Challenge	Juara 1	Jabodetabek
105.	DKV AN	19th Digicon6 Asia	Gold	International
106.	BNMC	Ticket Station Debate Mandarin Competition	Juara 1	Jabodetabek
107.	Komunikasi Pemasaran	Lomba Citizen Journalism All Out Journalism 2017	Juara 1	Nasional
108.	Akuntansi dan Keuangan	CIMB ASEAN STOCK CHALLENGE 2.0	Juara 3	Nasional
109.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	Bronze Medal Awards Cooking Competition (Amuse Bouche)	International
110.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	Diploma Medal Awards Cooking Competition (Nasi Tumpeng)	International
111.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	Bronze Medal Awards Cooking Competition (Nasi Tumpeng)	International
112.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	Diploma Medal Awards Cooking Competition	International
113.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	Diploma Medal Awards Cooking Competition	International
114.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	Bronze Medal awards "Christmas cookies" DISPLAY AND TESTING COMPETITION	International
115.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	DIPLOMA AWARD "INDONESIAN GASTRONOMY SET MENU"	International
116.	Hotel Management	1st La Cuisine 2017 SIAL Interfood	DIPLOMA MEDAL AWARDS " San Remo Pasta Challenge "	International
117.	Hubungan Internasional	Vest MUN (Veteran East Java)	Honorable Mention	Nasional
118.	Manajemen	Pop Mandarin Singer Walikota Cup X 2017	Juara 2	Nasional
119.	Wushu	The 7th World Kungfu Championship 2017	Juara I	Internasional
120.	School of Computer Science	The 2017 ACM-ICPC Asia Jakarta Regional Programming Contest	Winner	Asia
121.	School of Computer Science	The 2017 ACM-ICPC Asia Jakarta Regional Programming Contest	National Winner	Asia
122.	Faculty of Engineering	The 2017 ACM-ICPC Asia Jakarta Regional Programming Contest	National Winner	Asia
123.	School of Computer Science	The 2017 ACM-ICPC Asia Jakarta Regional Programming Contest	Honorable Mention	Asia

No.	Faculty/UKM/HMJ	Events	Achievements	Level
124.	School of Computer Science	The 2017 ACM-ICPC Asia Hua-Lien Regional Programming Contest	Silver	Asia
125.	School of Computer Science	The 2017 ACM-ICPC Asia Hua-Lien Regional Programming Contest	Bronze	Asia
126.	Volley	Bee Cup 2017	Juara 3 Volley Putri	Jabodetabek
127.	Teknik Sipil	Asia International MUN	Honorable Mention (Press Corps International)	Internasional
128.	HIMSISFO	SIS Design Challenge 2017	1st place Competition - Technology	ASEAN
129.	Stamanara	KPOP Vaganza Festival 2017	Juara 3	Nasional
130.	Manajemen	Creativepreneur Competition	Juara 1	Nasional
131.	BASIC	Invitasi Renang Mahasiswa Provinsi DKI Jakarta Tahun 2017	Perenang Terbaik Putri	Jabodetabek
132.	BASIC	Invitasi Renang Mahasiswa Provinsi DKI Jakarta Tahun 2017	Juara 1 50 m Gaya Punggung Putri	Jabodetabek
133.	BASIC	Invitasi Renang Mahasiswa Provinsi DKI Jakarta Tahun 2017	Juara 3 50 m Gaya Bebas Putri	Jabodetabek
134.	BASIC	Invitasi Renang Mahasiswa Provinsi DKI Jakarta Tahun 2017	Juara 1 50 m Gaya Kupu-Kupu Putri	Jabodetabek
135.	BASIC	Invitasi Renang Mahasiswa Provinsi DKI Jakarta Tahun 2017	Juara 3 100 m Gaya Kupu-Kupu Putra	Jabodetabek
136.	BASIC	Invitasi Renang Mahasiswa Provinsi DKI Jakarta Tahun 2017	Juara 3 50 m Gaya Dada Putra	Jabodetabek
137.	Sastra China	Kompetisi Puisi Tiongkok Kuno "Star of Chinese 2017"	Juara 3 Kompetisi Komprehensif (kompetisi pengetahuan budaya puisi dan membaca puisi)	Nasional
138.	Sastra China	Kompetisi Puisi Tiongkok Kuno "Star of Chinese 2017"	Juara 1 kompetisi pengetahuan budaya puisi	Nasional
139.	Sastra China	Kompetisi Puisi Tiongkok Kuno "Star of Chinese 2017"	Juara 2 kompetisi pengetahuan budaya puisi	Nasional
140.	Sastra China	Kompetisi Puisi Tiongkok Kuno "Star of Chinese 2017"	Juara 3 kompetisi pengetahuan budaya puisi	Nasional
141.	Sastra China	Kompetisi Puisi Tiongkok Kuno "Star of Chinese 2017"	Juara 2 kompetisi membaca puisi	Nasional
142.	Sastra China	Kompetisi Puisi Tiongkok Kuno "Star of Chinese 2017"	Juara harapan kompetisi membaca puisi	Nasional
143.	International Marketing	IMCB Day II Marketing Plan Competition	Juara 3	Nasional
144.	Komunikasi Pemasaran	ICL Writing Competition 2017	Winner	Nasional
145.	School of Computer Science	Course-Net CSIC (Computer Science Innovative Challenge) 2017	Juara 2	Nasional
146.	School of Computer Science	The 2017 ACM-ICPC Asia-Yangon Regional Programming Contest	Silver Medal	Asia
147.	Desain Interior	Asia Young Designer Award 2017 by Nippon Paint	Juara 3	Asia
148.	Desain Interior	Booth Re-Design Competition 2017, by Ganara Art Space dan Summarecon Mal Serpong	Pemenang 8 peserta yang boothnya akan direalisasikan (karyanya booth Es Pisang Ijo Pemuda)	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
149.	Desain Interior	Booth Re-Design Competition 2017, by Ganara Art Space dan Summarecon Mal Serpong	Pemenang 8 peserta yang boothnya akan direalisasikan (karyanya – depot Mie Jadoel)	Nasional
150.	Desain Interior	SOHO design Competition, Dulux Designer Awards 2017 kategori Mahasiswa	Juara 3	Nasional
151.	Artistic Swimming	Indonesia Open Aquatic Championship 2017	Juara 2 Solo Free Routine (Perak)	Internasional
152.	Artistic Swimming	Indonesia Open Aquatic Championship 2017	Juara 1 Duet Technical Routine (Emas)	Internasional
153.	Artistic Swimming	Indonesia Open Aquatic Championship 2017	Juara 1 Duet Free Routine (Emas)	Internasional
154.	Artistic Swimming	Indonesia Open Aquatic Championship 2017	Juara 1 Team Technical Routine (Emas)	Internasional
155.	Artistic Swimming	Indonesia Open Aquatic Championship 2017	Juara 1 Team Free Routine (Emas)	Internasional
156.	Artistic Swimming	Indonesia Open Aquatic Championship 2017	Juara 1 Team Combination (Emas)	Internasional
157.	Badminton	Universonic Cup	Juara 2 Beregu Mix	Jabodetabek
158.	Karate	Kejurnas Inkado	Juara 1	Nasional
159.	Karate	Kejurnas Inkado	Best of the best kategori	Nasional
160.	Karate	Master Cup	Juara 2	Nasional
161.	Karate	Lindu Aji Championship XIV	Juara 1	Nasional
162.	Merpati Putih	Kejurkol Sejabodetabek	Juara 1 Kelas E (65-70) Kg	Jabodetabek
163.	Merpati Putih	Kejurkol Sejabodetabek	Juara 3 Kelas I (85-90)Kg	Jabodetabek
164.	Merpati Putih	Kejurkol Sejabodetabek	Juara 3 Kelas F (70-75)Kg	Jabodetabek
165.	Merpati Putih	Kejurkol Sejabodetabek	Juara 3 POWER	Jabodetabek
166.	Wushu	Open Push Hand Tournament 2017	Juara 1 Huo Bu Putri	Nasional
167.	Wushu	Open Push Hand Tournament 2017	juara 3 Huo Bu Putri	Nasional
168.	Wushu	Open Push Hand Tournament 2017	juara 3 Huo Bu Putra <58Kg	Nasional
169.	BNCC	Hexion 2017 (Mobile Apps)	Juara 1	Jabodetabek
170.	BNCC	Hexion 2017 (Mobile Apps)	Juara 2	Jabodetabek
171.	BNCC	Hexion 2017 (Web)	Juara 1	Jabodetabek
172.	BNCC	Hexion 2017 (Web)	Juara 2	Jabodetabek
173.	Sistem Komputer	Overclocking AMD rock tour 2017	Juara 1	Nasional
174.	Hubungan Internasional	IMCB Day	Juara 1 Debate	Nasional
175.	BNEC	World University Debating Championship	EFL Finalist (Rank 9)	Internasional
176.	Sistem Informasi	2018 Global Korea Scholarship (GKS)	Beasiswa untuk perkuliahan & Biaya lainnya selama 1 semester di Dongguk University	Internasional
177.	Arsitektur	Kompetisi Asia Young Designer Awards (AYDA) by Nippon Paint	Juara II (Silver Winner)	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
178.	Akuntansi dan Keuangan	3 rd Deloitte Tax Challenge Indonesia	Best Individual Performance (Mewakili ke South East Asia)	Nasional
179.	Merpati Putih	Kejuaraan Pencak Silat Terbuka PPS Pakubumi Cup 2018	Juara 1 Tanding Dewasa Putra	Nasional
180.	Merpati Putih	Kejuaraan Pencak Silat Terbuka PPS Pakubumi Cup 2018	Juara 2 Tanding Dewasa Putra	Nasional
181.	Merpati Putih	Kejuaraan Pencak Silat Terbuka PPS Pakubumi Cup 2018	Juara 3 Tanding Dewasa Putra	Nasional
182.	Merpati Putih	Kejuaraan Pencak Silat Terbuka PPS Pakubumi Cup 2018	Juara 3 Tunggal Dewasa Putri	Nasional
183.	Sastra China	School and University Competition (SUMC) 2018	Juara 2 dalam Kompetisi story telling	Nasional
184.	Finance	Stock Lab - Kompetisi Pengetahuan Pasar Modal 2018	Juara 1 Tanding Dewasa Putra	Nasional
185.	BNCC	Fishackathon 2018	Juara 3 Lomba Hackathon (Membuat karya aplikasi IT dalam waktu 24 jam)	Internasional
186.	BNEC	The 2018 Asian English Olympics (Debate)	Novice First Best Speaker	Internasional
187.	BNEC	The 2018 Asian English Olympics (Debate)	2nd Runner Up	Internasional
188.	BBS	Aka Thamrin Trading Competition (ATTC) 2018	Juara 3	Nasional
189.	BNEC	ALSA UNPAD (Debate)	First Runner Up	Nasional
190.	BNEC	ALSA UNPAD (Newscasting)	2nd Runner Up	Nasional
191.	IMCB	MIST (Marketing Insight)	2nd Winner	Internasional
192.	Sistem Informasi	ASEAN in Today's World 2018 (AsTW 2018)	Mendapatkan Grant dari Kyusu University Jepang	Internasional
193.	Komunikasi Pemasaran	Speak Up Essay Competition dari BEM Petra, Surabaya (Online)	Juara 2	Nasional
194.	Komunikasi Pemasaran	JCI Public Speaking Competition	Juara 1	Lokal
195.	Sistem Komputer	Java Robot Contest 9 (JRC IX)	Peringkat 2	Nasional
196.	Sistem Komputer	Java Robot Contest 9 (JRC IX)	penghargaan untuk strategi terbaik (Best Strategy)	Nasional
197.	Komunikasi Pemasaran	Jambore Nasional Komunikasi dari ASPIKOM Kategori Lomba Essay	Juara 2	Nasional
198.	Merpati Putih	Kejuaraan Pencak Silat	Juara 3 Tunggal Dewasa Putri	Provinsi
199.	BNEC	Malaysia Debate Open (MDO)	1 st Runner Up EFL	Internasional
200.	Badminton	USM Indonesia International Series 2018	Juara III Tunggal Putri.	Internasional
201.	Sistem Informasi	lomba ITechnocup 2018	Juara 3	Nasional
202.	Business Creation	Kementrian Koperasi & UI	20 Besar NASIONAL dana Hibah	NASIONAL
203.	BNEC	22nd ALSA National English Competition	Juara 1 Speech	Nasional
204.	Sastra China	"Chinese Bridge 2018"	Juara II	Jabodetabek
205.	Sastra China	"Chinese Bridge 2018"	Juara Kemahiran Berbicara Terbaik	Jabodetabek

No.	Faculty/UKM/HMJ	Events	Achievements	Level
206.	BNEC	NEON (National English Competition) 2018	Juara 1 Speech	Nasional
207.	BNEC	Student English Activity Debate Competition (SEADC) 2018	Juara 1 Debate	Nasional
208.	International Marketing	Dexlite WOW Case Competition 2018	Best Video	Nasional
209.	Business Creation	NESCAFE KICKSTART COMPETITION	Juara 1 NASIONAL	NASIONAL
210.	BNEC	English Competition 2018	Juara 1 Story Telling	Jabodetabek
211.	DKV ANIMASI	ASIAN GAMES VIGNETTE COMPETITION	Juara 2 VIGNETTE COMPETITION	Nasional
212.	DKV Animasi	Ektopfilm – International Festival of Sustainable Development Films	Juara 1 Category F - Children and Youth	Internasional
213.	Sistem Informasi	Program Exchange Student (Tokubetsu Chokogakuesi) di bawah Trans-ASEAN Global Agenda Education (TAG) – AIMS (ASEAN International Mobility for Students) Program di University of Tsukuba , Japan	Terpilih untuk mengikuti Program	Internasional
214.	Sistem Komputer	Hibah CPPBT		Nasional
215.	Sistem Komputer	Kompetisi Robot - Politeknik Elektronika Negri Surabaya	Juara 2	Nasional
216.	Sastra Jepang	Lomba Pidato Bahasa Jepang di Sakura Matsuri 2018	Juara 1	Nasional
217.	Sastra Jepang	Lomba Pidato Bahasa Jepang di Sakura Matsuri 2018	Juara 2	Nasional

8. Internationalization Program

8.1 Introduction

As one of the largest and most successful private universities in Indonesia, BINUS is proud to keep growing our network of learning partners to offer our students high-impact learning experiences.

Do grab hold of such opportunities to gain a global experience, broader perspective, social understanding and culturally relevant skill sets. Come back and impact your fellow students to join other future study abroad programs.

Internationalization Program at BINUS UNIVERSITY focuses to provide the students to have an international experience during their study. The program covers:

- **Student Exchange and Study Abroad** (1 - 2 semesters), is a program which allows the students to go for one or two (maximum) semester(s) exchange at BINUS' partner institution with credits transfer opportunity.
- **Short Course Abroad** (1 - 4 weeks), in the format of summer/winter courses, usually on local language and cultural courses with excursions and trips. Some country destinations including China, Taiwan, Korea, Japan, Australia, United Kingdom, USA and many more.
- **Short Learning Visit / Immersion Program** (1 – 2 weeks), in the format of study tour, cultural exchange and other activities at foreign university or global institution abroad.
- **Internship Abroad** (1 month – 1 semester), a supervised practical training, in global industries / organization all over the world; attached with the respective department or through AIESEC.
- **Twining/Joint Degree Program** (min. 2 semesters), a joint program with foreign university, combining curriculum and/or degrees. The participating students study at both universities consecutively (e.g. 3+1 scheme, 3 years at BINUS and 1 year at partner university), then get degrees from both universities at the end of the program.
- **Guest Lecture**, a lecture session inviting guest lecture from foreign university or global institution as the speaker.
- **Video Conference**, a joint session with foreign institutions for lecture/seminar with live interaction such as asking questions and discussion.

8.2 Student Exchange and Study Abroad

Why Join the Program? These are some of the benefits:

1. World-class education
2. Credit transfer
3. Certificate and Transcript
4. Intercultural experience
5. International friends
6. Networking
7. English proficiency
8. Possibility of learning a new language
9. Personality development
10. And many more

For Student Exchange and Study Abroad programs, there are two paths available to join the program:

- **Student Exchange with Partner Exchange Institution**

The program will run based on the Student Exchange Agreement or related documents. Please see the list of partner exchange institution in IO website (<http://io.binus.ac.id>).

- **Student Exchange through ISEP Network**

The International Student Exchange Programs (ISEP) is a network of over 300 colleges and universities in 50 countries cooperating to provide affordable access to international education through ISEP Exchange or ISEP Direct (Study Abroad). Please check ISEP website (www.isepstudyabroad.org) for further details.

Requirements

1. Highly motivated and assertive
2. Registered as an active student at BINUS UNIVERSITY / BINUS UNIVERSITY International / BINUS Business School / BINUS Graduate Program
3. Has at least completed two semesters of studies at BINUS
** preparation may start from the 2nd semester*
4. Strong academics, supported by the latest GPA (Min 3.00 out of 4.00)
** GPA lower than 3.00 may apply with recommendation from Head of Program*
5. Strong English or host country language skills
** English Proficiency Test, score min 550 (TOEFL ITP) or 79 (TOEFL iBT) or 6.00 (IELTS)*
** TOEFL score from BINUS Center/BUEPT/Prediction score IS NOT acceptable*
6. Compatible course mapping (cooperation between student and Department)
7. Having good personality & maturity
8. Willing to positively contribute to BINUS and host university

How to Apply

1. CHOOSE the program and host university. Do self-research to find the most suitable university through IO website.
2. CONSULT with Department to do course mapping.
3. DOWNLOAD & COMPLETE the “Study Abroad Application Form – BINUSIAN” from IO website.
4. SUBMIT the application to IO no later than the deadline.

Application Deadline

Exchange for Semester	Application Period
Fall/Winter/Odd Semester	15 October – 10 March
Spring/Summer/Even Semester	15 May – 10 September

List of of BINUS' university partners for **Student Exchange destinations** (see <http://io.binus.ac.id> for further details):

Continent	Country	Student Exchange Partner Institution
America	Brazil	Universidade de São Paulo (class delivered in Portuguese)
	Canada	École des sciences de la gestion (ESG) UQAM – School of Management
	USA	Emporia State University
		Johnson & Wales University
		University of Hawai'i at Manoa
Asia	Brunei Darussalam	Universiti Brunei Darussalam
	China	Beijing Normal University
		Central Academy of Fine Arts
		Hubei University of Technology
	India	Banasthali University (for women only)
	Japan	Hokuriku University
		Ichikawa Japanese Language Institute (fee paying)
		Kanazawa Seiryo University
		Kindai University
		Tokyo Metropolitan University
		Wakayama College of Foreign Studies (fee paying)
		Waseda University
		Yamanashi Gakuin University
		Yamanashi Gakuin University > International College of Liberal Arts (for classes in English)
	Korea	Catholic University of Daegu (applicable only for Hotel Management and Tourism)
		Chung-Ang University
		Dong-A University
		Hannam University (applicable only for Business related subject)
		Hanyang University
		Inha University
		Kangwon National University
		Kookmin University
		Kyung Hee University
		Sejong University
		SolBridge International School of Business
	Malaysia	UCSI University
		Taylor's University
		University of Malaya
		Universiti Malaysia Pahang
		Universiti Teknologi Malaysia
		Universiti Teknologi MARA
	Philippines	University of the Asia and the Pacific
	Singapore	S P Jain School of Global Management
	Taiwan	Cheng Shiu University
		Chung Yuan Christian University
		National Chengchi University
		National Taipei University of Technology
	Thailand	Bangkok University
		University of the Thai Chamber of Commerce
	United Arab Emirates	S P Jain School of Global Management

Continent	Country	Student Exchange Partner Institution
Australia	Australia	Deakin University
		Macquarie University
		S P Jain School of Global Management
		Queensland University of Technology
		Victoria University
Europe	Belgium	ICHEC Brussels Management School
		Solvay Brussels School Economics & Management
	Czech Republic	Tomas Bata University
	Finland	Kajaani University of Applied Sciences
	France	Ecole de Management de Normandie
		ESC Troyes – Champagne School of Management
		ISC Paris School of Management
		ISTC – Ecole de communication
		Kedge Business School
	Germany	Cologne Business School
		University of Bremen
	Lithuania	Kaunas University of Technology
	Portugal	Polytechnic Institute of Coimbra
	Russia	Ural Federal University
	Spain	Universidad Catolica San Antonio De Murcia (class delivered in Spanish, except for International Business (delivered in English))
	The Netherlands	HAN University of Applied Sciences
		Hanze University of Applied Sciences
		Inholland University of Applied Sciences
		Rotterdam Business School
	United Kingdom	University of Northampton
AIMS (ASEAN International Mobility for Students) Program	Japan	University of Tsukuba
	Malaysia	Universiti Sains Malaysia
	Philippines	Ateneo de Manila University
	Thailand	Mahidol University International College
		Prince of Songkla University

Contact and Information

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