CATALOG
2017 - 2018

The information in this catalog is provided for Binusian 2021 (Academic Year 2017/2018). BINUS University has the right to revise the content of this catalog e.g. regulation and curriculum referring to the latest policy of BINUS University.

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 continuous commitment to be the best in delivering quality education that is relevant to what industries need. In order to achieve the international quality standard, we continuously make our best effort to provide students with an excellent learning process, up-to-date 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 as required by ISO 9001:2008 (since 1997), education criteria for performance excellence based on MBNQA (Malcolm Baldrige National Quality Award). For nine times in a row since 2007, BINUS University becomes the winner of Indonesian MAKE Award (Most Admired Knowledge Enterprise) in 2016, which made the university won several special recognitions such as: "Admirable Strong Internal Commitment" in 2011, and "Admirable Consistency in Improving Knowledge Management Implementation" in 2013. The next year BINUS University won the 2014 Asian MAKE Winner.

As our commitment to ensure the delivering of world class education, BINUS UNIVERSITY trying to achieve national and international accreditation. For national accreditaion, 16 programs in BINUS UNIIVERSITY was accredited "A" from National Accreditation Board for Higher Education (BAN-PT) of the Republic of Indonesia in 2017. While since 2012, BINUS UNIVERSITY was also awarded as "BEST PRIVATE UNIVERSITY" from Private University Coordinator (KOPERTIS) for Region III DKI Jakarta. The latest achievement in 2016, BINUS UNIVERSITY institution become one of university in Indonesia that awarded "A" in institution accreditation (AIPT) from BAN-PT.

As well as national accreditation, BINUS UNIVERSITY also eager to achieve international accreditation from some reputable international accreditation boards. In 2015, Accounting study program (international program) become the only one program in Indonesia that accredited with EPAS accreditation from European Foundation for Management Development (EFMD). While from Accreditation Board for Engineering and Technology (ABET), BINUS UNIVERSITY become the only one private university that ABET accredited for Industrial Engineering, Civil Engineering, and Computer Engineering study programmes. As for Hotel Management program, BINUS UNIVERSITY is targeting TEDQUAL accreditation, an international accreditation systems for tourism and hospitality education. While Binus Business School also targeting accreditation from The Association to Advance Collegiate Schools of Business (AACSB), one of reputable global business education network and association from USA. In 2018, BINUS UNIVERSITY also targeting QS 4 star rating.

In order to increase the students' readiness in facing global competition, we prepare one year enrichment program start from Binusian 2018. The objectives of this enrichment program is to facilitate student in apply their knowledge and skills as they got in their learning process. In the end of their study, students will involve in various enrichment programs like industrial experience, twinning program, research, business startup, and community development.

With 36 years of exceptional experience in education, 99.318 alumni. BINUS UNIVERSITY is ready to become an international education institution. BINUS UNIVERSITY is designed to support graduates to gain excellent global career opportunities. We offer Single and Double Major Programs in cooperation with prominent overseas universities to improve the qualifications of graduates. In the double major program, graduates will be awarded with two Bachelor degrees.

This catalog was compiled to give 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 at the Diploma programs, Undergraduate programs, Postgraduate programs and Doctoral programs. The competence and curricula of each study program that consists of the distribution of subjects and prerequisites, the syllabi of each subject, are described in this catalog. There is

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

We do hope that this catalog can be of great insight for all the "stakeholders" of the BINUS UNIVERSITY in general and its civitas academia in particular, so that it can be used as a principle in guiding and giving service to both students and candidates as well as a communication media to Indonesian people as a whole.

BINUSIANs aim to be a part of visionary communities, which is recognized as a leader in Information Technology (IT). BINUS UNIVERSITY is preparing each BINUSIAN 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. To achieve this aim, BINUS UNIVERSITY will always increase its quality as education provider. To implement such standard, BINUS UNIVERSITY is supported by innovative, flexible yet on-time lecturing program and high qualified lecturers.

In my final words of closing, I would like to express my greatest gratitude to all parties involved in preparing and finalizing the catalog.

Jakarta, September 2017

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 from 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* changed 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 increased 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 and 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 later 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 education institution has shown its continuous commitment to be the best in delivering quality education and research that is relevant to 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 human resources to deliver knowledge and skill. We also put our endeavor on building strength in high impact research and leveraging international programs. Additionally, we apply the students-centered 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 36 years of exceptional experience in education, 99.318 alumni, and currently enrolled 27.874 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.

2 General Information

BINUS INTERNATIONAL, established in 2001, was designed to help graduates in establishing an optimal global career. This program is a single and double degree international undergraduate program through strategic partnership with reputable universities in Australia and Europe. In the double degree program, graduates will be awarded both a Bachelor degree from our overseas university partners and a BINUS 'Sarjana degree'. Today, BINUS INTERNATIONAL has strategic partnership with Australian Universities: The University of New South Wales; Murdoch University; Macquarie University; The Royal Melbourne of Technology (RMIT); University of Wollongong; UK and La Trobe University; and European Universities: Cologne Business School and Northumbria University. We are now offering programs in International Accounting & Finance, Visual Communication Design, Fashion, Film, Communication, Computer Science, Information Systems, Business Management and Marketing, Hospitality & Tourism Management, and International Business. The excellence relationship between BINUS UNIVERSITY and top overseas universities opens a wide opportunity to introduce our students to a wide range of global experience and opportunities.

The rapid growth of BINA NUSANTARA has led to the establishment of a training center of 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 its growing rapidly.

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 is a response to the need of BINUS student accommodation to support the learning and teaching experience at 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 academic values through integrated programs with BINUS UNIVERSITY for all its residents.

In fulfilling its vision to be a world class education institution, BINUS UNIVERSITY is strongly committed to improving its academic performance as well as infrastructure quality. This is shown 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 also shown 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).

The BINUS UNIVERSITY @Alam Sutera campus was established to answer the needs of parents and students who live in Tangerang and its surroundings areas of a high quality education quality and facility. Since September 2014, BINUS UNIVERSITY began to operate as a 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 System, Management, International Marketing, International

Business Management, Business Creation, Accounting, Marketing 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 Established to support Distance Learning programs (PJJ) or Online Learning. Online Learning will be very useful for the students, who followed the programs, because they need not to leave their city to get a flexible and excellent education such BINUS UNIVERSITY offered.

BINUS UNIVERSITY as an educational institution is committed to constantly making an improvement and innovation in order to advance the quality of education and strive to get closer to the community, therefore BINUS UNIVERSITY expand its presence in Bekasi where bridging campus is located in Plaza Summarecon Bekasi. BINUS UNIVERSITY @Summarecon Bekasi 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	S1
	• Statistics	S1
	• Game Application and Technology	S1
	• Cyber Security	S1
2.	School of Information Systems	
	• Information Systems	S1
	• Computerized Accounting	DIII

No	Faculty, School, and Department / Program	Program
3.	School of Design	
	• Visual Communication Design:	
	○ New Media	S1
	○ Animation	S1
	○ Creative Advertising	S1
	• Interior Design	S1
	• Film	S1
4.	Faculty of Engineering	
	• Architecture	S1
	• Civil Engineering	S1
	• Industrial Engineering	S1
	• Computer Engineering	S1
	• Food Technology	S1
5.	Faculty of Humanities	
	• Chinese Literature	S1
	• English Literature	S1
	• Japanese Literature	S1
	• Psychology	S1
	• Business Law	S1
	• International Relations	S1
	• Primary Teacher Education	S1
6.	Faculty of Economics and Communication	
	• Accounting	S1
	• Hotel Management	DIV
	• Tourism	S1
	• Communication	S1
7.	BINUS Business School	
	• Undergraduate Program:	
	○ Management	S1
	○ International Marketing	S1
	○ International Business Management	S1
	○ Business Creation	S1
	○ Business Management	S1
	• Undergraduate Program (International):	
	○ Business Management & Marketing	S1
	○ International Business	S1

No	Faculty, School, and Department / Program	Program
	BINUS Business School	
	• Master Program:	
	○ Creative Marketing	S2
	○ Business Management:	
	- MM Young Professional	S2
	- MM Professional	S2
	○ MM Executive	S2
	○ MM Blended Learning	S2
	• Doctorate Program	
	○ Doctor of Research in Management	S3
8.	Graduate Program	
	• Information Technology	S2
	• Information Systems Management	S2
	• Industrial Engineering	S2
	• Accounting	S2
	• Communication Science	S2
9.	Doctorate Program	
	• Doctor of Computer Science	S3
10.	International Programs	
	• International Accounting & Finance	S1
	• International Business	S1
	• Computer Science	S1
	• Information Systems	S1
	• Fashion	S1
	• Graphic Design & New Media	S1
	• Communication	S1

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.

In accordance with 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 Tagline of BINUS UNIVERSITY

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 international reputation as the 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 innovative business practice for individuals and groups to invigorate positive changes either at 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 a world-class teaching, learning and research experience that foster excellence in scholarship, innovation and entrepreneurship.
- Creating outstanding leaders for global community.
- Conducting professional services with an emphasis on application of knowledge to the 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 line stretch to the four direction: 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 panggilkan 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, particularly when based in Information Technology.

BINUSIAN aims to be a part of 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 some IT media, core competence and clear pathway in various study programs, and through character building program. To achieve the BINUSIAN's aim, BINUS UNIVERSITY will always increase its quality as education provider. To implement such standard, UBINUS 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 works effectively in team work.
- A bee is highly creative and clever, as this is clearly seen from its amazing geometric beehive.
- A bee produces something that is useful for itself and others (honey), by getting the flower's 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 clever.

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 characteristic colours of a bee which are also the colours of BINUS.

1.8 March of BINUSIAN

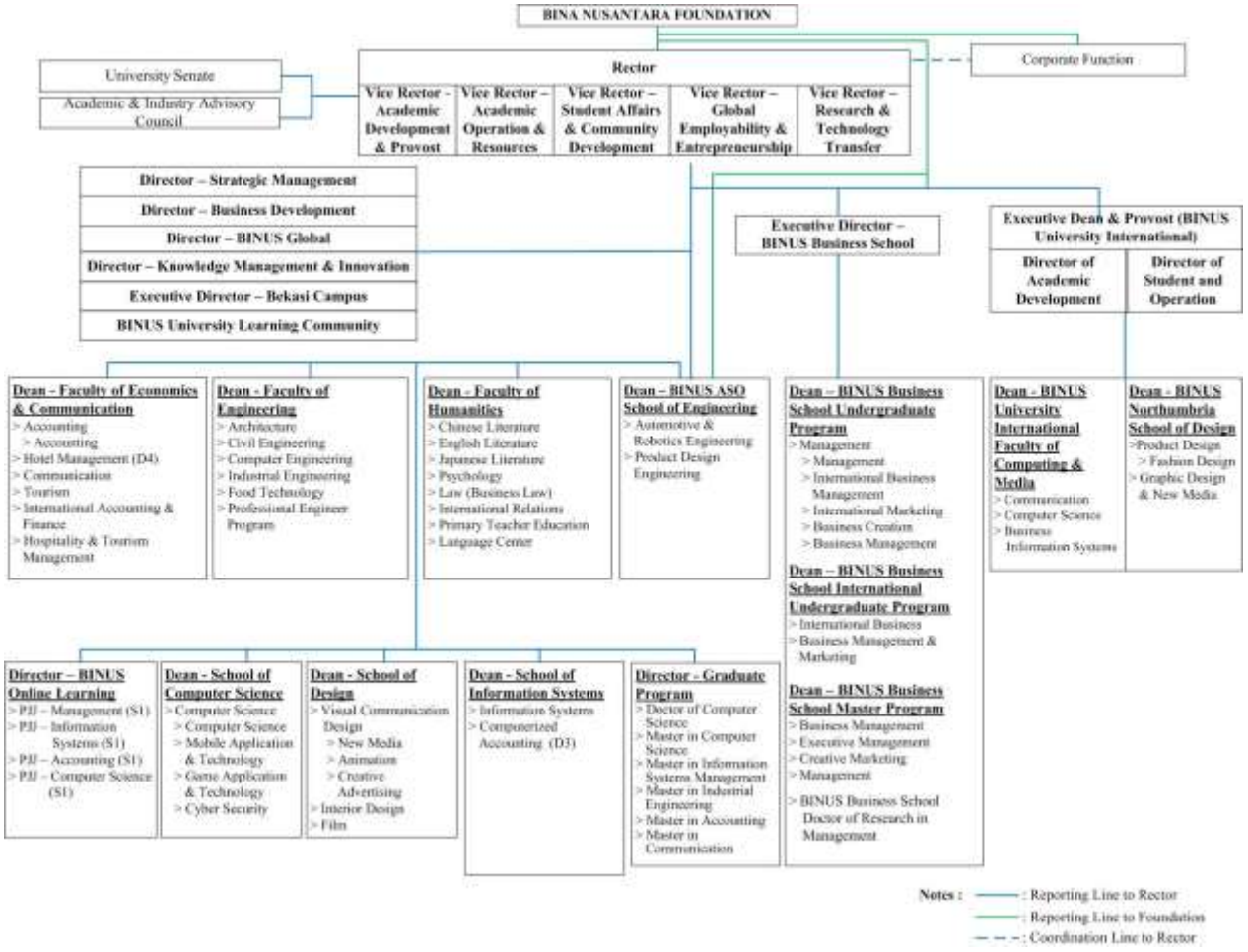
Dengar semua para BINUSIAN
Panggilan nusa dan bangsa telah menanti
Sambutlah dengan visi inovatif
Songsonglah dengan sikap positif
Dan selalu menjadi yang terdepan.
Ayo kita berjuang demi ibu pertiwi
Dengan karya bermanfaat
Ayo kita berbakti untuk sesama
Dengan karya nyata
Semuanya demi pembangunan bangsa.

1.9 BINUS VALUE

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

- **S**trive for excellence
  We continuously do our best to achieve high quality results in every aspect of our work.
- **P**erseverance
  We stay calm, focused, never give up, and quickly recover in overcoming challenges.
- **I**ntegrity
  We are honest, transparent, sincere, and courageous in doing the right thing.
- **R**espect
  We value differences and contribution from every individual.
- **I**nnovation
  We encourage creative, breakthrough, and sustainable ideas to continuously improve processes in order to achieve better results.
- **T**eamwork
  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

Academic Support Units

BINUS University

Vice Rector - Academic Development & Provost
> Academic Resource Center
> Lecturer Resource Center
> Character Building Development Center
> Accreditation and Academic Quality Assurance

> Human Capital & Legal
> Learning & Development

Vice Rector – Academic Operation & Resources
> Operation – Kemanggisan Campus
  > Academic Operation Center
  > Student Registration and Scheduling Center
  > Student Services Center
> Operation – Alam Sutra Campus
  > Lecturer Services Center
  > Student Services Center
  > Laboratory Center

  > Graduate Program Office
  > Library and Knowledge Center
  > Software Laboratory Center
  > Resources Management

  > Finance
  > Internal Audit
  > General Affairs
  > Information Technology

Vice Rector – Student Affairs and Community Development
> Student Advisory Center
> Student Creativity & Development Center
> Student Advisory & Development Center
> Community Development Center (Academic)
> Community Development Center (TFI)
> Program Development Center – BINUS Square
> Student Competition

Vice Rector – Global Employability & Entrepreneurship
> BINUS Entrepreneurship Center
> Alumni Relations Office
> BINUS Career Center
> Employability & Entrepreneur Center
> Industry Relationship
> Business Incubator

Academic Support Units

BINUS University

Vice Rector – Research & Technology Transfer
> Research & Technology Transfer Office
> Bioinformatics & Data Science Research Center
> Research Interest Group
> Publication
> Technology Transfer

Director – Strategic Management
> Rector's Office
> Dean's Office (BINUS University International)
> Quality Management Center
> BINUS Institutional Development Center
> Business Process
> University Strategic Committee (Vice Rector, Dean & Team)

> Marketing

Director – Business Development
> Business Development
> BINUS Animation Studio
> Educational Technology

Director – BINUS Global
> BINUS International Office
> BINUS Global Class
> BINUS Collaboration Center
> International Communication
> International Student Recruitment
> Business Assurance

Director – Knowledge Management & Innovation
> Knowledge Multimedia
> Digital-Media Development
> Knowledge Innovation
> Knowledge System
> Knowledge Product

Director - BINUS Online Learning
> Academic & Product Development
> Operation

Director - BINUS University Learning Community
> BINUS University Learning Community – Palembang
> BINUS University Learning Community – Semarang
> BINUS University Learning Community – Malang

Academic Support Units

BINUS University

Executive Director – Bekasi Campus
> Academic
> Operations

Executive Director – BINUS ASO School of Engineering
> Academic Operation & Student Services

BINUS University International

Director of Academic Development
> BINUS Case Center
> Learning & Faculty Development
> Research Department
> Center for Innovation
> Character Building Development Center
> Research Interest Group

Director of Student and Operation
> English Language Services
> Operations
> Overseas Program
> Student, Alumni, & Global Employability

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 Sutera Barat Kav. 21, Alam Sutera, Serpong, Tangerang 15143
Tel : (+62-21) 53-69-69-19
Fax : (+62-21) 536-74042

Bekasi Bridging Campus
Plaza Summarecon Bekasi, Lantai 6, Jl. Bulevar Ahmad Yani, Jawa Barat 17143
Tel : (+62-21) 292-85598
Fax : (+62-21) 292-85596

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 internationally recognized standard in quality management system for education institution is paramount. In this sense, ISO 9001 certificate plays a role as one of the ultimate international recognitions 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 2016, 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), and *Accreditation Board for Engineering and Technology,* Inc **(ABET)** for Industrial Engineering (2013), Computer Engineering (2015), Civil Engineering (2015).

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

In order to achieve quality, highly qualified 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.
- Achieves 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.

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 subject examination, final project/thesis examination, and quality controlled courses.

Subject Examination

The examination for each subject 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 1. 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 2. Grading System for Diploma and Undergraduate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Disctinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Disctinction
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

At BINUS UNIVERSITY, 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:

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

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

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

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 of Maximum Study Weight of student for regular program

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

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

Table of 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

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

2.1.6 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 Campusor 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 (ie.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 list of PM.
- For leave or remedial students, they do not require to follow the tutorial, but they 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 until 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; Etc. Department specific needs. By the end of each semester, each student will submit an enrichment report and assessed related to technical competencies in his/ her disciplines and soft skills.

Considering the urgency of enrichment program to achive learning outcomes, it affect all courses in enrichment program to become one entity. It means if there is 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 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 Minor Program

In order to equip students with interdisciplinary knowledge and skills, BINUS develops minor programs that allow students to take courses outside the course list on their own program curriculum. Since 2014, there are four minor programs offered for study program with streams as other alternatives of the available streaming. The offered minor programs are: 1) Mandarin minor program, 2) Design minor program, 3) Business minor program, and 4) Information Technology minor program. Each minor offers 12 credits courses in two semesters with various learning outcomes that emphasis on applied knowledge and skills.

2.1.10 Final Project

To finish the Diploma program at BINUS UNIVERSITY, the student must be capable of compiling and presenting the final project to the examiner.

The compilation of the final project must be relevant to the rules of the department. It should be conducted by the individual, guided by a final project supervisor that is appointed by the head of the department or study program, (except the Faculty of Computer Studies, where the compiling of the final project is conducted by a team in the class).

2.1.11 Thesis

To finish the 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.

2.1.12 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 of Academic Title

Programs	Study Level	Academic Title
Computer Science	S1	Sarjana Komputer (S.Kom)
Mobile Application and Technology	S1	Sarjana Komputer (S.Kom)
Game Application and Technology	S1	Sarjana Komputer (S.Kom)
Cyber Security	S1	Sarjana Komputer (S.Kom)
Information Systems	S1	Sarjana Komputer (S.Kom)
Computerized Accounting	DIII	Ahli Madya (A.Md)

Programs	Study Level	Academic Title
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.TP)
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 International (S.Hub.Int)
Primary Teacher Education	S1	Sarjana Pendidikan (S.Pd)
Accounting	S1	Sarjana Ekonomi (S.E.)
Hotel Management	DIV	Sarjana Sains Terapan (S.ST)
Tourism	S1	Sarjana Pariwisata (S.Par)
Communication	S1	Sarjana Ilmu Komunikasi (S.IKom)

2.1.13 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 provide 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 ensuring 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 four programs (S1). The program are Computer Science, 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 process, 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 industry;
5. Able to produce software database with high applicative complexity to solve problems in industry;
6. Able to produce software computer network based that applicable in industrial problems;
7. Able to produce smart software using artificial intelligence algorithms;
8. Able to produce multimedia-based software applicable to solve the problems in industry.

Prospective Career of the Graduates

After finishing the program, the graduate of Computer Science Study 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. IT Support/Consultant
7. Multimedia Programmer
8. Lecturer/Trainer

Curriculum

The present curriculum used in the Computer Science study 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 Machineries), several local and foreign universities, and market trends, so that the graduates of the Computer Science study program are expected to be able to face competition at both a national and international level.

Generally, the subjects of the curriculum 2017 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. And 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	
	COMP6060	Programming Language Concepts*	2	
	COMP6047	Algorithm and Programming*	4/2	
	MATH6031	Calculus	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	
	MATH6030	Linear Algebra	2	
	COMP6056	Program Design Methods	4	
	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	COMP6049	Algorithm Design and Analysis*	4	22
	ISYS6169	Database Systems	4/2	
	CPEN6098	Computer Networks	2/2	
	COMP6065	Artificial Intelligence*	4	
	ENTR6003	Entrepreneurship I	2	
	CHAR6015	Character Building: Agama	2	

Sem	Code	Course Name	SCU	Total
4	STAT6021	Research Methodology	2	23
	COMP6100	Software Engineering*/**	4	
	COMP6176	Human and Computer Interaction	2/2	
	COMP7084	Multimedia Systems	2/1	
	Streaming : Software Engineering			
	COMP6106	Code Reengineering	4	
	COMP6107	Agile Software Development*	2	
	COMP6114	Pattern Software Design	2/2	
	Streaming : Intelligent System			
	COMP8108	Natural Language Processing*	2/1	
	COMP7066	Expert Systems	2/1	
	COMP7116	Computer Vision	2/2	
	Streaming : Interactive Multimedia			
	COMP7128	Game Design*	2	
	COMP7110	Computer Graphic	2/2	
	COMP7094	Multimedia Programming Foundation	2/2	
	Streaming : Database Technology			
	ISYS6172	Database Design	2/1	
	COMP6225	Object-Oriented Database	2/2	
	COMP6064	Geographical Information System*	2/1	
	Streaming : Applied Database			
	ISYS7155	Applied Database I	4	
	COMP6064	Geographical Information System*	2/1	
	ISYS6172	Database Design	2/1	
	Streaming : Network			
	COMP6113	Network Design	2	
	COMP6120	Network Programming	2/2	
	COMP6132	Linux Operating System*	2/2	
	Streaming : Applied Networking			
	CPEN8092	Applied Networking I	4	
	COMP6113	Network Design	2	
	COMP6120	Network 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* **			
	COMP6099	Advanced Object Oriented Programming	2	
	MOBI6008	Mobile Game Creative Design	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			
	COMP7117	Artificial Neural Network*	2/2	
	COMP7126	Artificial Intelligence in Games	2/2	
	Streaming : Interactive Multimedia			
	COMP8129	User Experience	2/2	
	COMP7139	Game Programming*	4	
	Streaming : Database Technology			
	COMP6119	Database Administration*	2/2	
	COMP6140	Data Mining	2/2	
	Streaming : Applied Database			
	ISYS7156	Applied Database II	4	
	ISYS7157	Applied Database III	4	
	Streaming : Network			
	COMP6121	Server Technology	4	
	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 CREDIT 146 SCU	

**) This course is delivered in English*

***) Entrepreneurship Embedded*

****) Elective Course: Students choose one of three elective courses with 2 credits.*

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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks.
For students who failed in Entrepreneurship track, they can choose another track besides Entrepreneurship.

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	
COMP6430	Professional Development in Information Technology Industry	4	
COMP6431	Information Technology Practice in Professional Experience	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	

Code	Course Name	SCU	Total
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*			
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	15
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			
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	16
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.	Code	Course Name	Minimum 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
Stream : Software Enginering			
7.	COMP6107	Agile Software Development	C
8.	COMP6115	Object Oriented Analysis & Design	C

No.	Code	Course Name	Minimum Grade
Stream : Database Technology			
7.	ISYS6172	Database Design	C
8.	COMP6119	Database Administration	C
Stream : Intelligent System			
7.	COMP7116	Computer Vision	C
8.	COMP7117	Artificial Neural Network	C
Stream : Network			
7.	COMP6120	Network Programming	C
8.	COMP6121	Server Technology	C
Stream : Applied Networking			
7.	COMP6120	Network Programming	C
8.	CPEN8093	Applied Networking II	C
Stream : Interactive Multimedia			
7.	COMP7094	Multimedia Programming Foundation	C
8.	COMP8129	User Experience	C
Stream : Applied Database			
7.	ISYS6172	Database Design	C
8.	ISYS7156	Applied Database II	C

*) Tutorial & Multipapper

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 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 Information and Communication Technology trend 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 Machineries), 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 2017 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 various of the trend technology in mobile application & device.

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 the 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	
	MOBI6003	Introduction to Mobile Application and Technology	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	
	MOBI6008	Mobile Game Creative Design*	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
	COMP6049	Algorithm Design and Analysis	4	
	ENTR6003	Entrepreneurship I	2	
	COMP6056	Program Design Methods	4	
	MOBI6006	Mobile Community Solution*	2/2	
	COMP6062	Compilation Techniques	4	
	MOBI6026	Mobile Cloud Computing*	2/2	
4	CPEN6108	Computer Networks	2/2	22
	ISYS6279	Database Systems	4/2	
	COMP6229	Software Engineering**	4	
	MOBI6023	Mobile User Experience*	2	
	MOBI6009	Mobile Multimedia Solution	2/2	
	MOBI6025	Mobile Application Security*	2	

Sem	Code	Course Name	SCU	Total
5	MOBI6043	Mobile Testing and Implementation*/**	2	22
	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	
	MOBI6012	Web Design*	2/2	
6	**Enrichment Program I**		15	15
7	**Enrichment Program II**		16	16
8	MOBI6024	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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
MOBI6048	Industrial Experience	8	
MOBI6049	Mobile Application & Technology Practice in Industral 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

Code	Course Name	SCU	Total
Elective courses list for study abroad*			
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	15
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			
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	16
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.	Code	Course Name	Minimum 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.	MOBI6002	Mobile Object Oriented Programming*	C
8.	MOBI6008	Mobile Game 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. 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 and communication technology trend 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: 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	
	GAME6004	Object Oriented Game 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	20
	COMP6049	Algorithm Design and Analysis	4	
	ENTR6003	Entrepreneurship I	2	
	GAME7029	2D Game Programming*	4	
	GAME6033	Storyboarding & Concept Art*	2	
	COMP6056	Program Design Methods	4	
	GAME6012	User Experiences*	2	
4	GAME6050	Game Engine Programming*	2	24
	CPEN6109	Computer Networks	2/2	
	ISYS6280	Database Systems	4/2	
	COMP6228	Artificial Intelligence	4	
	COMP6230	Software Engineering*/**	4	
	GAME7044	2D Animation*	2/2	
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	
	GAME6043	3D Modeling for Games*	2/2	
6	**Enrichment Program I**		15	15
7	**Enrichment Program II**		16	16
8	GAME6026	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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

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	
GAME6063	EES in Game Development Experience	4	
GAME6064	Game Research in Industry	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*			
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	15
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			
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	16
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	Code	Course Name	Minimum 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	GAME7029	2D 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 threaten. Cyber Security program offer dedicated degree in cyber security assurance and defend, giving students technical expertise they need to confident to enter cyber war. Cyber Security is designed specifically by Computer Science, BINUS UNIVERSITY to provide students with knowledge and expertise to penetration testing system and network, design and implementation of cyber defense architecture in the field of cyber security. Cyber Security program was found on 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 structure its program allow students to gain valuable concept and practical experience in conducting penetration test and also 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 current cyber technology. Students learn in a project-orientated environment that encourages collaboration with industries and government and helps them 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 confident 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 builds 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. Cyber Security Assurance: to explore the various methodologies and techniques of penetration testing and cyber forensic in the computer network and ubiquitous system.
2. Cyber 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	
	COMP6179	Introduction to Information Security	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
	MATH6031	Calculus	4	
	COMP6048	Data Structures	4/2	
	COMP6180	Computer Security Foundation*	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
	COMP6056	Program Design Methods	4	
	COMP6181	Cyber Security Analysis and Method*	2/2	
	COMP6120	Network Programming	2/2	
	COMP6062	Compilation Techniques	4	
	ENTR6003	Entrepreneurship I	2	
	COMP6049	Algorithm Design and Analysis	4	
4	CPEN6101	Advanced Network Programming	2/2	24
	CPEN6102	Network Security Administration**	2/2	
	ISYS6169	Database Systems	4/2	
	COMP6271	Software Engineering*	4	
	COMP6182	Security for Multimedia	2	
	COMP6183	Secure Web Programming**	2/2	
5	LAWS6110	Cyber Law	2	20
	COMP6153	Operating System	2/2	
	COMP6176	Human and Computer Interaction	2/2	
	ENTR6004	Entrepreneurship II	2	
	COMP6065	Artificial Intelligence	4	
	COMP6193	Cyber Forensic*/**	2/2	
6	**Enrichment Program I**		15	15
7	**Enrichment Program II**		16	16
8	COMP6192	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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2		v						v				
3			v						v			
4				v						v		
5					v						v	

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
COMP6184	Internship I	8	15
COMP6185	Penetration Test Cyber Security in Industry	2	
COMP6187	Cyber Forensic in Industry	2	
COMP6333	EES in Cyber Security Professional I	3	
Enrichment Program II			
COMP6188	Internship II	8	16
COMP6189	Cyber Security Mechanism Design in Industry	2	
COMP6190	Cyber Security Programming in Industry	2	
COMP6191	EES in Cyber Security Professional II	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6293	Business Start Up	8	15
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			
ENTR6309	Growing a Business	8	16
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 Entreprenuerial 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	

Code	Course Name	SCU	Total
Enrichment Program II			
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	16
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	Code	Course Name	Minimum 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.	COMP6120	Network programming	C
8.	COMP6181	Cyber Security Analysis and Method	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 left behind 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:

1. 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;
2. Able to construct, modify, analyze mathematical models of a system/problems, assess accuracy of the models and make conclusions;
3. Able to analyze various alternative mathematical models that are available and present the conclusions of analysis independently or in groups for making decision;
4. Able to 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	
	MATH6008	Mathematical Statistics I*	4	
	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	

Sem	Code	Course Name	SCU	Total
	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/Final Project	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 (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	

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

No	Code	Course Name	Minimum 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 left behind 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:

1. 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;
2. 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;
3. Able to analyze some alternatives solution in statistical field to solve the problems and able to present the conclusions analysis in order to making the right decision;
4. Able to 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)
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	

Sem	Code	Course Name	SCU	Total
	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/Final Project	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 (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	Code	Course Name	Minimum 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 system offers one undergraduate study program (S1) and one diploma program (D3). The programs are Information Systems 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 use 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. Fostering students and lecturers to become a 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 strategic 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 strong foundation of system development skills and knowledge that they will need as an information systems professional, and improve lecture skills and knowledge in information systems.
2. To provide students with skills and in depth knowledge of information systems related to business intelligence, digital business and strategic information systems.
3. To provide students with the ability to use applied business knowledge for specific industry purposes.
4. To educate the community about the usage and implementation of information systems.
5. To provide community with skills and knowledge by using information system solutions.

Student Outcomes

At the end of the program, graduates will be able to :

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;
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 identify needs analysis, design and implement accounting information system in organizations;
11. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping;

12. Able of identifying and tracking the utilization and use of information systems and Information & Communication Technology is based on the principles of governance;
13. Able to use various accepted information systems audit standard or best practice for IS/IT Audit;
14. Able to examine business continuity and analyze disaster recovery plan.

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
16. Internal IS/IT Auditor
17. IS Risk Management and Assurance Advisor
18. External IS/IT Auditor
19. IS Security Consultant
20. System analyst, System designer, or System development project team leader
21. Business analyst or business consultant
22. Accounting Information Systems Specialist or Information specialist
23. Information Systems Consultant
24. Management development program in a service, commerce, or industry
25. Financial evaluator or controller in a public company
26. Working in government institution or non-profit organization
27. Instructor or lecturer in the education institution
28. Working in research area
29. Develop entrepreneurship

Curriculum

The Information Systems Study Program curriculum is designed refer 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, E-Business, Applied ERP, Applied Database, Accounting Information Systems, and Information Systems Audit.

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	
	STAT6081	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 System	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	
	STAT6021	Research Methodology	2	
	ISYS6198	Data and Information Management	4	

Sem	Code	Course Name	SCU	Total
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	
	Streaming : Applied ERP			
	ISYS6146	Information System Security	2	
	ISYS7158	Applied ERP I	4	
	ISYS6206	IS Strategy, Management and Acquisition	4	
	Streaming : Applied Database			
	ISYS6283	Business Intelligence	4	
	ISYS6210	Data Visualization	2	
	ISYS7155	Applied Database I	4	
	Streaming : Accounting Information Systems			
	FINC6001	Financial Management	4	
	ISYS6015	Accounting Information Systems Analysis and Design	4	
	ISYS6336	Services Information System	2	
	TAXN6019	Taxation	4	
	Streaming : Information Systems Audit			
	ISYS6216	Computer Assisted Audit Tools & Techniques I	2	
	ISYS6340	Information System Investigation	4	
	ISYS6341	Information System Audit	4	
5	ISYS8108	Knowledge Management	4	24
	ENTR6004	Entrepreneurship II	2	
	ISYS6191	Advanced in Business Application Development*	2/4	
	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	

Sem	Code	Course Name	SCU	Total
5	**Streaming : e-Business**			24
	ISYS6187	Business Web Solution	4	
	ISYS6289	Collaborative Computing	4	
	ISYS6203	Mobile Applications Development	2/2	
	Streaming : Applied ERP			
	ISYS6205	Enterprise Architecture	4	
	ISYS7159	Applied ERP II	2	
	ISYS7160	Applied ERP III	2	
	ISYS7161	Applied ERP IV	2	
	ISYS7162	Applied ERP V	2	
	Streaming : Applied Database			
	ISYS6201	Data Warehouse and Data Mining	4	
	ISYS7156	Applied Database II	4	
	ISYS7157	Applied Database III	4	
	Streaming : Accounting Information Systems			
	ACCT6010	IT Cost Management	4	
	ACCT6013	Cost Accounting	4	
	Streaming : Information Systems Audit			
	ISYS6342	Information System Control	4	
	ISYS6343	Information System Quality Assurance	4	
	ISYS6353	IT Governance	4	
	ISYS6266	Business Continuity and Disaster Recovery	2	
	ISYS6339	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	ISYS6117	Thesis	6	6
			TOTAL CREDIT 146 SCU	

**) 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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	

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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
RSCH6275	Research Experience	8	
RSCH6110	Scientific Writing in Information Systems Research	4	
RSCH6285	EES 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

Course Name		SCU	Total
Elective courses list for study abroad*			
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	

Course Name		SCU	Total
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	16
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	Code	Course Name	Minimum Grade
1	CHAR6013	Character Building: Pancasila	B
2	ENTR6004	Entrepreneurship II	C
Streaming : Business Intelligence			
3	ISYS6126	Enterprise System	C
4	ISYS6188	Information System Analysis and Design*	C
5	ISYS6198	Data and Information Management*	C
6	ISYS6256	Information Systems Project Management	C
7	ISYS6283	Business Intelligence*	C
8	ISYS6200	Data Warehouse	C
Streaming : Strategic Information Systems			
3	ISYS6126	Enterprise System	C
4	ISYS6188	Information System Analysis and Design*	C
5	ISYS6198	Data and Information Management*	C
6	ISYS6256	Information Systems Project Management	C
7	ISYS6206	IS Strategy, Management and Acquisition	C
8	ISYS6205	Enterprise Archtecture*	C
Streaming : e -Business			
3	ISYS6126	Enterprise System	C
4	ISYS6188	Information System Analysis and Design*	C
5	ISYS6198	Data and Information Management*	C
6	ISYS6256	Information Systems Project Management	C
7	ISYS6204	e-Business Design*	C
8	ISYS6187	Business Web Solution	C

No	Code	Course Name	Minimum Grade
Streaming : Applied ERP			
3	ISYS6126	Enterprise System	C
4	ISYS6188	Information System Analysis and Design*	C
5	ISYS6198	Data and Information Management*	C
6	ISYS6256	Information Systems Project Management	C
7	ISYS6206	IS Strategy, Management and Acquisition	C
8	ISYS6205	Enterprise Archtecture*	C
Streaming : Applied Database			
3	ISYS6126	Enterprise System	C
4	ISYS6188	Information System Analysis and Design*	C
5	ISYS6198	Data and Information Management*	C
6	ISYS6256	Information Systems Project Management	C
7	ISYS6283	Business Intelligence*	C
8	ISYS6201	Data Warehouse & Data Mining	C
Streaming : Accounting Information Systems			
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	ACCT6010	IT Cost Management	C
Streaming : Information Systems Audit			
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
7	ISYS6341	Information System Audit	C
8	ISYS7052	IS Risk Management*	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 the 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 to a transaction in a variety of function (human resources, tax, finance, production, assets, purchasing, and marketing);
7. Able to evaluate the 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	ISYS6095	Information System Development	2/2	24
	ACCT5110	Cost Accounting I	2/2	
	ISYS6349	Introduction to Database	2/2	
	ACCT5111	Cost Accounting II	2/2	
	ISYS5350	Business Process Fundamental	2	
	LANG6032	English Professional	4	
	ENTR6004	Entrepreneurship II	2	
4	ISYS6005	Accounting Information Systems	4/2	24
	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	
	ISYS5044	Professional Ethics	2	
5	TAXN5018	Taxation Accounting	2/2	16
	ISYS5180	Internship	4	
	STAT6021	Research Methodology	2	
	FINC5094	Corporate Budgeting	2	
	FINC5044	Financial Management	2/2	
6	ISYS5352	Final Project	6	6
TOTAL CREDIT 110 SCU				

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

No	Code	Course Name	Minimum 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

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 **Visual Communication Design** (with concentration field; New Media, Animation, Creative Advertising,) and **Interior Design.**

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, Web 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, it's 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. Graphic Design Studio
2. Publication Design
3. Branding Consultant
4. Illustrator
5. Photographer
6. Web Design and Development
7. Television and Broadcast Studio
8. Corporate & Retail Industry
9. Government Institutions
10. In-house Designer

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	
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	

Sem	Code	Course Name	SCU	Total
	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	DSGN6278	Final Project	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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2		v					v					
3			v				v					
4				v			v					
5					v		v					

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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
ENTR6324	Business Start Up	8	15
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
RSCH6274	Research Experience	8	15
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
CMDV6155	Community Outreach Project Implementation	8	15
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
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 New Media Program

Subject		Credits	Sem	Prerequisite		Credits	Sem
DSGN6278	Final Project	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	Code	Course Code	Minimum 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 graph. Students are equipped with the knowledge and skills of up to date development of 3D animation computer graph 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, it's 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, histoy, 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. Television
2. Film
3. Games
4. Animator Freelancer
5. 3D Artist
6. Visual FX (effects) Artist
7. Motion Grraphics
8. Visualizer
9. Production House

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	

Sem	Code	Course Name	SCU	Total
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	
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	DSGN6255	Final Project	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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2	v							v				
3	v								v			
4	v									v		
5	v										v	

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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
ENTR6322	Business Start Up	8	16
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
RSCH6273	Research Experience	8	16
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
CMDV6153	Community Outreach Project Implementation	8	16
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
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 Animation Program

Subject		Credits	Sem	Prerequisite		Credits	Sem
DSGN6255	Final Project	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	Code	Course Code	Minimum 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 is unique in providing creative education for future creative advertising people (art director/creative) allowing them to work together in creative teams to produce the best of contemporary advertising - as well, students design real-world solutions for clients.

Students learn the creative aspects of advertising through hands-on studio work combined with a theoretical, strategic, and historical perspective. Courses draw on the constructs and paradigms of fields such as marketing, research, sociology, psychology, ethics, and literature to enrich and extend the understanding of advertising concepts and applications.

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, it's 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 trough visual communication design with the appropriate media selection.

Prospective Career of the Graduates

After graduate from this program, so many promising career in creative industry ready to be occupied, like:

1. Creative Consultant
2. Art Director in Advertising Agency
3. Creative & Design in Digital Agency
4. Creative & Design in Event Organizer
5. Creative & Design in Media Company
6. Creative & Design in Communication Consultant
7. Creative in production house
8. Creative & Design Concept for in-house design in company

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	

Sem	Code	Course Name	SCU	Total
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	
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	DSGN6262	Final Project	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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2	v								v			
3	v									v		
4	v										v	

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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
ENTR6323	Business Start Up	8	16
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
CMDV6154	Community Outreach Project Implementation	8	16
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
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 Creative Advertising Program

Subject		Credits	Sem	Prerequisite		Credits	Sem
DSGN6262	Final Project	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	Code	Course Name	Minimum 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 been prepared our graduates to succeed in an interior industry as well as they will be prepared 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 designing hospitality and commercial design or furniture and interior design accessories. These graduates will not only have scientific and practical abilities in Interior Design sector, however, they will also 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

Graduate will be prepared not only as a professional interior designer, however, they will 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 6-7 semester, there are five enrichment programs that can be chosen by the student 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	

Sem	Code	Course Name	SCU	Total
	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	
	Stream : Commercial and Hospitality Design			
	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	DSGN7032	Final Project	8	8
			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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

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

Enrichment Entrepreneurship Track

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

Code	Course Name	SCU	Total
Enrichment Program II			
ENTR6321	Business Start Up	8	16
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			
RSCH6272	Research Experience	8	15
RSCH6113	Scientific Writing in Design	4	
RSCH6293	Global EES	3	
Enrichment Program II			
RSCH6272	Research Experience	8	16
RSCH6113	Scientific Writing in Design	4	
RSCH6282	Global EES	4	

Enrichment Community Development Track

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

No	Code	Course Code	Minimum Grade
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 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 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 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

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.

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 Program provides real world experience for each student wherein 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 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.

Award/Degree

- Sarjana Seni from BINUS UNIVERSITY
- Dual Degree with Bachelor of Arts (Hons) from Northumbria University, United Kingdom

Major and Streaming

Streaming	Degree				Partner
	Single	Title	Double	Title	
Film Production	√	S.Sn			
Film Studies	√	S.Sn			
Film and TV Production			√	S.Sn. & BA (Hons)	Northumbria University

Double Degree in Film and TV Production (Honors)

In cooperation with Northumbria University.

This double degree program is designed to provide students with knowledge and practical skills in Film and TV production. The students have the opportunity to broaden their horizons and experience by studying abroad at Northumbria University in England. The students who take the double degree program will receive S.Sn. and BA (Hons) degrees at the end of the program. Students who would like to pursue careers in Film and TV industry in general are the ideal candidates for this program.

Study Completion Requirements

Major in Film Program

To complete a major in Film Program at BINUS INTERNATIONAL, students must complete a minimum of 146 SCUs of academic credit.

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	

Sem	Code	Course Name	SCU	Total
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
2	CHAR6014	Character Building: Kewarganegaraan	2	21
	FILM6047	Scriptwriting	4	
	FILM6048	Production Workshop I	4	
	FILM6084	Cinema & Social Studies	4	
	FILM6021	World Film History	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	
	ENTR6003	Entrepreneurship I	2	
	Elective Courses**			
	FILM6019	Film, Literature, and Adaptation	2	
	DSGN6234	Visual Communication Design Reviews	2	
4	FILM6052	Film Industry Seminar	3	21
	FILM6092	Production Workshop II*	5	
	FILM6054	Documentary Cinema	3	
	FILM6026	History of Indonesian Cinema	2	
	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 CREDIT 146 SCU	

**) Entrepreneurship Embedded*

***) Elective Courses: Students choose one course of two elective courses*

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).*

In addition to the above list, students are allowed to take courses from other majors and declare these courses as their electives. Please refer to each course description to check any pre-requisites for these courses.

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
Stream : Film Production			
FILM6085	Film Production Internship	8	16
FILM6086	Film Industry Foundation	4	
FILM6087	Filmmaking Skills Application	4	

Code	Course Name	SCU	Total
Stream : Film Studies			16
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
RSCH6081	Research for Film	8	16
RSCH6335	Academic Writing for Film Research	4	
RSCH6336	Research Implementation in Film	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6026	Community Development for Film	8	16
CMDV6221	Program Development for Community	4	
CMDV6222	Program Execution for 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	Code	Course Code	Minimum 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
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 four programs, they are: Accounting (S1), Communication (S1), Hotel Management (Diploma IV-equal to S1) and Tourism (S1). The curriculum of each program is continuously updated and benchmarked to local and international industry and any reputable international universities.

Accounting study program provides a broad variety of courses in accounting, which has minor concentration as follows: Auditing, Taxation, Managerial Accounting, and Finance. Those concentrations are linked with national and international certification such as Tax Consultant Certification (BKP), CIMA, IAI Global, ICAEW, CPA Australia and ACCA.

Communication is an interdisciplinary major that combines the concepts and theories of Communication Science, integrates the activities of advertising, public relations, broadcasting, media communication, writing skills, interpersonal communication and digital communication into a single professional field of expertise. The Communication Department has four streamings, there are Corporate Public Relations, Marketing Public Relations, Digital Journalism, and Broadcasting.

The Hotel Management study program was established in early January 2008 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. In doing so, students are well prepared to compete as global players in this industry around the globe.

Binus Tourism Study 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 practitioner 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), Institute of Chartered Accountant in England and Wales (ICAEW), Association of Chartered Certified Accountants (ACCA), CPA Australia, Indonesian Tax Office (Ditjen Pajak) 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 department in the world that cooperates closely with accounting industry and related institutions to produce professional accountants with extensive business, and information technology (IT) expertise.

Mission

The mission of Accounting 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 educators and students
2. Educating students with the fundamental skills, knowledge and practice of Accounting 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 with extensive business and IT knowledge in their work organization and communities.
4. Contributing to the improvement of the body of knowledge in Accounting practice in Indonesia and global communities
5. Conducting research, professional service and career development in 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.
2. To prepare students with organizational and business knowledge to succeed in a career in accounting.
3. To equip students with information technology knowledge that is in demand by the 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 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
10. Able to conduct analysis of managerial finance for planning and decision making in the company;
11. Able to evaluate investment decision to produce a strategic decision in a company or advisory to clients.

Prospective Career of the Graduates

Demand for accounting graduates is strong, and the Accounting Study Program close 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 Masters Program (S2) in Indonesia or abroad. Furthermore, they can also take Accountants Profession Study Program (Program Pendidikan Profesi Akuntan) to 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 office, 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 four programs 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.

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.

Program concentration in: Finance

This program concentration is designed for students who want to learn more about a lot of topic about finance, investment and financial services. For financial services, the emphasis is banking industry (from conventional banking until investment banking) as the largest financial industry which supports other industries. The curriculum also provides you with technical expertise in the field and develops your critical thinking, team-building, communication and information technology skills. Finance program are strongly linked with professional certification such as Certified Financial Analyst (CFA) and WPPE (stock broker certification).

Course Structure

Sem	Code	Course Name	SCU	Total
1	ACCT6030	Introduction to Accounting I	4	20
	STAT6065	Economic Statistics	2	
	LAWS6071	Introduction to Commercial & Private Law	2	
	FINC6019	Introduction to Money & Capital Market	2	
	TAXN6021	Taxation	4	
	ECON6017	Economic Theory	2	
	MGMT6074	Introduction to Management and Business	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
	ACCT6031	Introduction to Accounting II	4	
	TAXN7015	Advanced Taxation	4	
	BUSS6055	Professional Ethics	2	
	ACCT6065	Cost Accounting	4	
	ACCT6115	Accounting Application Laboratory	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	
	ENTR6003	Entrepreneurship I	2	
	ACCT7066	Managerial Accounting	4	
	FINC6020	Business Valuation & Analysis	2	
	ACCT6033	Financial Accounting I	4	
	ACCT6059	Management Control System	2	
	Stream : Managerial Accounting			
	MGMT6008	Human Resource Management	2	
	ACCT6116	Social and Environmental Accounting	2	
	Stream : Auditing			
	ACCT6068	Accounting for Government and Non-Profit Organization	2	
	ACCT7076	Corporate Governance	2	
	Stream : Taxation			
	TAXN6007	Sales Tax and Other Indirect Taxes	2	
	TAXN6012	PBB, BPHTB, BM and Regional Taxes	2	
	Stream : Finance			
	FINC6023	Bank and Other Financial Institutions	2	
	FINC6010	International Finance	2	
4	CHAR6015	Character Building: Agama	2	24
	ACCT6034	Financial Accounting II	4	
	FINC6006	Financial Modeling Laboratory	2	
	RSCH6011	Quantitative Analysis	2	
	ACCT6062	Financial Audit I	4	
	FINC7047	Corporate Financial Management*	4	

Sem	Code	Course Name	SCU	Total
4	**Stream : Managerial Accounting**			24
	ACCT6078	Financial Accounting: Analysis and Reporting Incentives	4	
	ACCT6075	Method and Practice of Cost Accounting	2	
	Stream : Auditing			
	ACCT7047	Fraud Auditing	4	
	ACCT6079	Method and Practice of Computerized Audit	2	
	Stream : Taxation			
	TAXN6020	Taxation Management and Strategy	4	
	TAXN6009	Taxation Laboratory	2	
	Stream : Finance			
	FINC8071	Investment Analysis and Portfolio Management	4	
	FINC6072	Real Estate and Alternative Investments	2	
5	ENTR6004	Entrepreneurship II	2	24
	ACCT6083	Advanced Accounting	4	
	ACCT6118	Current Issues in Accounting and Finance*	4	
	ACCT6063	Financial Audit II	4	
	ACCT6114	Research Methodology in Accounting and Finance	2	
	ACCT6055	Accounting Theory	2	
	Stream : Managerial Accounting			
	MGMT6009	Project Management	2	
	ACCT6080	Risk & Internal Control	2	
	FINC6048	Treasury Management	2	
	Stream : Auditing			
	ISYS6223	Information System Auditing	2	
	ACCT6043	International Accounting	2	
	ACCT7142	Internal Audit	2	
	Stream : Taxation			
	TAXN6006	Taxation Accounting	2	
	TAXN7013	International Taxation	2	
	TAXN6010	Tax Audit, Tax Collection, Objection, and Appeal	2	
	Stream : Finance			
	FINC6073	Lab Trading Simulation	2	
	FINC7074	Risk Management	4	
6	**Enrichment Program I**		11	11
7	**Enrichment Program II**		16	16
8	ACCT6098	Thesis	6	6
			TOTAL CREDIT 146 SCU	

**) 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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					

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
30					v							v
31						v					v	
32						v				v		
33						v			v			
34						v		v				
35						v	v					
36						v						v

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
For student who takes internship track only in semester 6, should take these courses			11
Enrichment Program I:			
Stream: Auditing, Taxation, Managerial Accounting			
ACCT6119	Internship	8	
ACCT6175	Accounting in Practice	2	
ACCT6176	EES in Industry	1	
Stream: Finance			
FINC6083	Internship	8	
FINC6130	Finance in Practice	2	
FINC6131	EES in Industry	1	
For students who choose internship track in semester 6 and 7 can take these following courses:			11
Enrichment Program I :			
Stream: Auditing, Taxation, Managerial Accounting			
ACCT6120	Internship I	8	
ACCT6171	Accounting in Practice I	2	
ACCT6211	EES in Industry I	1	
Stream: Finance			
FINC6075	Internship I	8	
FINC6128	Finance in Practice I	2	
FINC6096	EES in Industry I	1	

Code	Course Name	SCU	Total
Enrichment Program II:			
Stream: Auditing, Taxation, Managerial Accounting			
ACCT6126	Internship II	8	
ACCT6124	Accounting in Practice II	4	
ACCT6129	EES in Industry II	4	16
Stream: Finance			
FINC6078	Internship II	8	
FINC6129	Finance in Practice II	4	
FINC6079	EES in Industry II	4	
For student who takes internship track only in semester 7, should take these courses:			
Enrichment Program II:			
Stream: Auditing, Taxation, Managerial Accounting			
ACCT6119	Internship	8	
ACCT6121	Accounting in Practice	4	16
ACCT6132	EES in Industry	4	
Stream: Finance			
FINC6083	Internship	8	
FINC6082	Finance in Practice	4	
FINC6070	EES in Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
For student who takes Entrepreneurship track only in semester 6, should take these courses			
Enrichment Program I:			
Stream: Auditing, Taxation, Managerial Accounting			
ENTR6316	Business Start Up	8	11
ENTR6370	EES in New Accounting and Finance Business	3	
Stream: Finance			
ENTR6317	Business Start Up	8	
ENTR6371	EES in New Accounting and Finance Business	3	
For students who choose Entrepreneurship track in semester 6 and 7 can take these following courses:			
Enrichment Program I :			
Stream: Auditing, Taxation, Managerial Accounting			
ENTR6316	Business Start Up	8	11
ENTR6370	EES in New Accounting and Finance Business	3	
Stream: Finance			
ENTR6317	Business Start Up	8	
ENTR6371	EES in New Accounting and Finance Business	3	

Code	Course Name	SCU	Total
Enrichment Program II:			16
Stream: Auditing, Taxation, Managerial Accounting			
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	
Stream: Finance			
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	
For students who only take Entrepreneurship track in semester 7 should take these following courses:			16
Enrichment Program II:			
Stream: Auditing, Taxation, Managerial Accounting			
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	
Stream: Finance			
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 Research Track

Code	Course Name	SCU	Total
For student who takes Research track only in semester 6, should take these courses			11
Enrichment Program I:			
Stream: Auditing, Taxation, Managerial Accounting			
RSCH6269	Research Experience	8	
RSCH6115	Scientific Writing in Accounting and Finance Research	2	
RSCH6298	Global EES	1	
Stream: Finance			
RSCH6270	Research Experience	8	
RSCH6116	Scientific Writing in Finance	2	
RSCH6299	Global EES	1	

Code	Course Name	SCU	Total
For students who take Research track in semester 6 and 7, should take these following courses:			11
Enrichment Program I:			
Stream: Auditing, Taxation, Managerial Accounting			
RSCH6311	Research Experience I	8	
RSCH6317	Scientific Writing in Accounting and Finance Research I	2	
RSCH6318	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	1	
Stream: Finance			
RSCH6321	Research Experience I	8	
RSCH6327	Scientific Writing in Finance I	2	
RSCH6328	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	1	
Enrichment Program II:			16
Stream: Auditing, Taxation, Managerial Accounting			
RSCH6314	Research Experience II	8	
RSCH6315	Scientific Writing in Accounting and Finance Research II	4	
RSCH6316	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
Stream: Finance			
RSCH6324	Research Experience II	8	
RSCH6325	Scientific Writing in Finance II	4	
RSCH6326	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
For students who only take Research track in semester 7, should take these following courses:			16
Enrichment Program II:			
Stream: Auditing, Taxation, Managerial Accounting			
RSCH6269	Research Experience	8	
RSCH6114	Scientific Writing in Accounting and Finance Research	4	
RSCH6251	Global EES	4	
Stream: Finance			
RSCH6270	Research Experience	8	
RSCH6108	Scientific Writing in Finance	4	
RSCH6320	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I:			11
Stream: Auditing, Taxation, Managerial Accounting			
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	
Stream: Finance			
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
Stream: Auditing, Taxation, Managerial Accounting			
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	
Stream: Finance			
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
Enrichment Program I:			11
Elective courses list for study abroad*			
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
Elective courses list for study abroad*			
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.	Code	Course Name	Minimum Grade
1	CHAR6013	Character Building: Pancasila	B
2	ENTR6004	Entrepreneurship II	C
3	TAXN7015	Advanced Taxation	C
4	ACCT7066	Managerial Accounting*	C
5	ACCT6034	Financial Accounting II*	C
6	ACCT6063	Financial Audit II*	C
Stream: Auditing			
7	ACCT6079	Method and Practice of Computerized Audit	C
8	ACCT7142	Internal Audit	C
Stream: Taxation			
7	TAXN6007	Sales Tax and Other Indirect Taxes	C
8	TAXN6009	Taxation Laboratory	C
Stream: Managerial Accounting			
7	ACCT6075	Method and Practice of Cost Accounting	C
8	FINC6048	Treasury Management	C
Stream: Finance			
7	FINC8071	Investment Analysis and Portfolio Management	C
8	FINC6073	Lab Trading Simulation	C

*) Tutorial & Multipaper

Hotel Management

Introduction

Bachelor of Applied Science in Hotel Management aims to offer an academic and vocational education for a successful career in hotel management. The program provides expertise in food and beverage service, food and beverage product and room division. This program also provides the comprehensive skills in management know-how as well as valuable knowledge (human resources, finance, marketing) and hotel which are essential for future industry leaders. Students will also gain an insight of hospitality/tourism industry through one (1) year of industry work experience in 4- or 5- star hotels domestic and overseas. To create an international flavor, this exclusive and progressive program is conducted in English for hospitality and hotel management core subject in teaching and learning activities. The curriculum has been reinforced with international and local contents to fully equip graduates for managing hotel operations in different parts of the world.

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, there by 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 make a personal and cultural approach through the mastery of active English in an advanced level to apply excellent service in the hospitality environment especially the diverse and multicultural hospitality;
2. Able to manage data and information related to hotel management activities with a professional attitude as the base of creative thinking in order to propose alternative solutions and strategic decisions;
3. Able to apply and demonstrate specific knowledge and skills in hospitality operations such as room division operations, front office, food and beverage operations, operational control of hotel events and kitchen operations both in the service and products offered;
4. Able to manage operations and resources in the field of hospitality including room division, front office, food and beverage operations, event control in hotel and kitchen operations with interpersonal approach and hotel related approach;
5. Able to demonstrate professional ethics in hospitality field and professionalism in supporting performance;
6. Able to provide alternative solutions for related problems in hotel based on professional ethics and expertise in related fields;
7. Able to apply and demonstrate knowledge and skills in the field of culinary (hot kitchen, pastry, bakery and chocolate making) to produce a decent food to be serve both in form and taste;

8. Able to apply and demonstrate a specific knowledge and skills in the field of planning event so it can to create a concept of event to be held;
9. Able to implement the entrepreneurship expertise in the field of hospitality which includes hotel design concepts, hotel operations and hotel management as well as the updating trend in the field of hospitality;
10. Able to master English as a supporting language in communication and corresponding in the global environment;
11. Able to optimize the use of information technology so as to improve its performance.

Prospective Career of the Graduates

Graduates will be able to pursue international career paths on every segment of the hospitality industry at managerial 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. Sales & Marketing : Reservations Manager, Public Relations & Sales Manager, Sales Director, Director of Marketing.
2. Finance : Cost Controller, Night Auditor, Accounts Payable/ Receivable, Hotel Accountant, Director of Finance.
3. Human Resources Management : Recruitment Manager, Training and Development Manager, Human Resources Manager, Director of Human Resources.
4. Rooms Division : Housekeeping Supervisor, Floor Supervisor, Senior Receptionist, Front Office Supervisor, Assistant Front Office Manager, Front Office Manager, Executive Housekeeper, Rooms Division Manager.
5. Food & Beverage : Restaurant Supervisor, Restaurant Manager, Assistant Food & Beverage Manager, Food and Beverage Manager, Catering Manager, Executive Chef, Sommelier, Barista, Connosieur, Mixologist.
6. 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/hotel industry.

- Common & Hospitality Core: Hospitality Knowledge; Hygiene, Safety, and Security; Tourism Knowledge.
- Hospitality Functional Areas: Food Production & Pastry; Food & Beverage Service; Rooms Division (front office & housekeeping).
- General and Managerial Units: Sales & Marketing; Facility Design Planning; Financial Management; Human Resources Management; Entrepreneurship; Research Methodology.
- Culinary Art: Food Production; ASIAN Cuisine; Indonesian Cuisine; Pastry, Bakery & Chocolate; Food Nutrition.

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* **			
	LANG6018	French Language II	2	
	CHIN6063	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* **			
	LANG6019	French Language III	2	
	CHIN6064	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	
	HTMN6026	Strategic Management in Hospitality	2	
	HTMN6027	Service Management	4	
	HTMN6028	Organization Behavior in Hospitality	2	
	HTMN6029	Hotel Operations Supervisory	4	
8	HTMN6030	Facility Management in Hospitality	4	10
	Stream : Culinary Art			
	HTMN6031	Final Project	6	
	Stream : Hotel and Operation Services			
	HTMN6032	Final Project	6	
TOTAL CREDIT 146 SCU				

**) This course is delivered in English*

***) Entrepreneurship Embedded*

****) Elective Courses:*

- *Student has to choose one foreign languages starting on 2nd semester (each for 2 SCU)*
- *Selected languages on 3rd and 4th semester are same with selected languages 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 Track Scheme

Track	Semester 5						Semester 6					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Stream : Culinary Art			15
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	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I: *For students who only take Entrepreneurship track in semester 5 should take these courses:*			15
ENTR6318	Business Start Up	8	
ENTR6165	Hospitality Business Model & Validation	2	
ENTR6166	Launching New Hospitality Venture	2	
ENTR6463	EES in New Hotel Management Business	3	
Enrichment Program II: *(For students who only take Entrepreneurship track in semester 6, should take these courses:)*			16
ENTR6318	Business Start Up	8	
ENTR6165	Hospitality Business Model & Validation	2	
ENTR6166	Launching New Hospitality Venture	2	
ENTR6255	EES in New Hotel Management Business	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6149	Community Outreach Project Implementation	8	
CMDV6162	Community Outreach Project Design	4	
CMDV6238	Employability and Entrepreneurial Skills in Hotel Management Community	3	
Enrichment Program II			16
CMDV6181	Community Development Project Implementation	8	
CMDV6187	Community Development Project Design	4	
CMDV6190	Employability and Entrepreneurial Skills in Hotel Management Community Development	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	

Code	Course Name	SCU	Total
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			
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	16
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	Code	Course Name	Minimum 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	HTMN6012	Food Nutrition*	C
8	HTMN6013	Catering Management	C
Streaming : Hotel and Operation Services			
7	HTMN6017	Restaurant Management*	C
8	HTMN6022	Front Office Management	C

*) Tutorial & Multipaper

Communication

Introduction

Communication is an interdisciplinary major that combines the concepts and theories of Marketing and Communication Science. Communication program has four concentrations; Marketing Public Relations (MPR), Corporate Public Relations (CPR), Broadcasting and Digital Journalism (Media Communication).

In MPR, students will learn about how to branding the product, IMC (Integrated Marketing Communication), negotiation technique and lobbying, advertising, writing skills in marketing in a communication context. Whereas in CPR, students will learn about how to manage the corporate reputation, develop the corporate social responsibility programs, writing skills in a corporate communication context.

In Broadcasting concentration, students will learn how to develop the radio and television programs, Producer, Program and Management of Broadcasting, Interview & Reportage Technique, Creativity for Broadcasting. In Digital Journalism (Media Communication) concentration, the students will learn about the Photography for Journalistic and Digital Journalism, Media Interview Technique, Creativity for Media Communication, Web Production and Web Management, Desktop Publishing for Digital Journalism, Journalism in a Globalizing World and Writing for Cultural Issue.

All concentrations offer advanced ICT and globally minded approach as characteristic of Binus University. As enrichment of learning a program, students will be facilitated for 1 year national and international industrial experience, besides 3 years study on campus. We facilitate student to communicate with the global community through student exchanges local and international such as Padjajaran University (local), Hanyang University(Korea), Han University (Holland), University of Southern Indiana (USA).

Vision

A leading Communication program of this digital era, delivering world class professionals with an open minded and marketable strengths, local values and Information technology.

Mission

The mission of Communication 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 as a professional Marketing Communication.
2. Educating students in the fundamental skills, knowledge, research and practice of Communication by providing high quality of teaching and learning experiences in real world applications and prepare them to continue their advance studies.
3. Conducting research and providing professional services in Communication particularly in public speaking for society development.
4. Preparing students for strategic positions in service industries and/ or for advanced degrees in Communication in a challenging multicultural world
5. Improving the quality of life of the global Community through researches and overseas internships.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of theoretical and practical knowledge in Communication Science to be a professional.
2. To prepare students with a solid foundation in research skills and analytical thinking to conduct research in the field of Communication.
3. To equip students with applied communication and entrepreneurial skills through internship to be succeed in the global industry.

Student Outcomes

After completing the study, graduates are:

1. Able to analyze 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 represent the skills to interact with various society professionally.
6. Able to integrate the use of technology and communication skills to build relationships with community, media, government and public.
7. Able to integrate business opportunities in the communication field, and implement it to an applicable business plan.
8. Able to build public understanding related to message essence of a product / service using various media through communications approach.
9. Able to build relationships between company and stakeholders using various media through communication science approach.
10. Able to design, produces, and evaluates the broadcasting program by using communication approach;
11. Able to design, produce, and evaluate content in digital media and mass media to by using communication approach.

Prospective Career of the Graduates

- MPR: Marketing Communication Manager, PR Hotel/Café, Presenter (off & on air), Guest Relations Manager, Event Organizer, Artist Management, Personal Branding Advisor, Promotion Manager, PR Consultant, Trainer of communication service.
- CPR: Corporate Communication, Corporate Affair, Motivator, HR Counselor, Investor Relations, Corporate Secretary (Public Company), CSR Manager, Trainer of communication in organization.
- Broadcasting: Radio or television Station Manager, Radio or television Program Manager, Motivator, Consultant of Media Campaign, Radio Station Owner, Agency of Radio/TV Ad, Trainer of Announcer, Producer of TV Program, Consultant of Media Campaign, Production House Owner, Consultant for TV Communities, TV Presenter, TV Reporter, News Anchor.
- Digital Journalism (Mass Communication) : News Editor, News Writer, Consultant of Website Content, Owner of a commercial web, Journalist, advisor for international trade, producer of cultural digital , Embassy

Journalist, Consultant of World Campaign, Consultant of International Issue, Organizer for International Event.

Curriculum

Communication program consists of 146 credits which is divided into 8 semesters. To ensure qualified graduates, the curriculum is supported by a modern public relations laboratory, television and radio broadcasting laboratory located at the Syahdan and Alam Sutra campus. Practical experience with current technology tools and 1 year internship programs ensure that students have not only strong academic preparation but also practical experience in industries activity. To support the quality of learning process the program has collaboration with industries such as El Shinta TV, The Valley Resort, Binus TV, Lampung Post, Interview First, John Robert Powers, Jasa Marga. For academic collaborations, we engaged with Petra University, Hasanuddin University, Padjajaran University, etc. All curriculum always reviewed by the partners to keep the global quality.

Course Structure

Sem	Code	Course Name	SCU	Total
1	COMM6106	Sociology and Anthropology in Communication Context	2	20
	COMM6100	Introduction to Communication Science	4	
	LANG6030	Indonesian	4	
	COMM8101	Philosophy of Communication	2	
	COMM6009	Introduction to Political Science	2	
	COMM6097	Speaking in Public	4	
	ENGL6128	English in Focus	2	
2	CHAR6013	Character Building: Pancasila	2	20
	COMM6012	Theory of Communication	4	
	COMM6098	Human Relations in Communication Context	4	
	COMM6129	Organizational Communication	4	
	COMM8107	Sociology of Communication	2	
	COMP6177	Computer laboratory in Communication Context	2	
	ENGL6129	English Savvy	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	24
	COMM6014	Theory of Mass Communications	4	
	COMM6099	Intercultural Communication	4	
	COMM8108	Psychology of Communication	2	
	ENTR6003	Entrepreneurship I	2	
	COMM6087	Writing Techniques in Communication Context	4	
	COMM6157	Introduction to Public Relations	2	
	CHIN6095	Chinese Language in Marketing Communication	4	
4	CHAR6015	Character Building: Agama	2	22/22 22/24
	STAT6080	Statistics in Communication Context	4	
	RSCH6008	Quantitative and Qualitative Research Methods in Communication Context	4	
	COMM6130	Professional Image and Acting	2/2	
	COMM6081	Introduction to Journalism & Broadcasting	2	

Sem	Code	Course Name	SCU	Total
4	**Stream: Corporate Public Relation**			22/22 22/24
	COMM6118	Corporate PR Writing and Advertorial in a Global Sector	2/2	
	COMM6119	Communications in Crisis*	2	
	Stream: Marketing Public Relation			
	COMM6109	Marketing Public Relations Writing*	2/2	
	COMM6116	Customer Relationship Management and Media Planning in MPR Context	2	
	Stream: Broadcasting			
	COMM6078	Radio and Television Script Writing*	2	
	DSGN6185	Camera Technique and Lighting*	4	
	Stream: Digital Journalism			
	COMM6089	Photography for Journalistic and Digital Journalism	4	
	COMM6096	Media Interview Technique	4	
5	**Enrichment Program I**		16	16
6	ENTR6004	Entrepreneurship II	2	22/22/ 22/20
	COMM6019	Public Opinion	2	
	Stream: Corporate Public Relation			
	COMM6123	Corporate Relationship Management and Media Planning in CPR Context	2/2	
	COMM6124	Public Relations Management and Reputation Management in CPR Context	2	
	COMM6125	Political Branding, Culture and Power of Organization	2/2	
	LAWS6109	Business Law in CPR Context	2	
	COMM6121	Strategic Corporate Communication and Media Campaign in a Global World*	2/2	
	COMM6127	Corporate Public Relations Ethics	2	

Sem	Code	Course Name	SCU	Total
6	**Stream: Marketing Public Relation**			22/22/ 22/20
	COMM6111	Digital Marketing Public Relations	2/2	
	COMM6150	Integrated Marketing Communications and Consumer Behavior in MPR Context	2	
	COMM6151	Advertising and Branding for Marketing Public Relations*	2/2	
	COMM6117	Marketing Communication Program and Event Management	2/2	
	COMM6115	Marketing Public Relations Ethics	2	
	COMM6114	Introduction to Marketing and Negotiation Technique in MPR Context	2	
	Stream: Broadcasting			
	COMM6084	Producer, Program and Management of Broadcasting	2	
	COMM6085	Interview & Reportage Technique	4	
	COMM6086	Radio and Television Editing	4	
	COMM6083	Broadcasting Rule and Ethics	2	
	DSGN6279	Creativity for Media Communication*	2/2	
	COMM8082	Media Convergence	2	
	Stream: Digital Journalism			
	DSGN6187	Web Production and Web Management	2	
	COMM6091	Journalism in a Globalizing World and Writing for Cultural Issue	2	
	DSGN6188	Desktop Publishing for Digital Journalism	4	
	COMM6095	Journalism Rule & Ethics	2	
	DSGN6279	Creativity for Media Communication*	2/2	
	COMM8082	Media Convergence	2	
7	**Enrichment Program II**		16	16
8	COMM6104	Thesis	6	6
			TOTAL CREDIT 146 SCU	

**) 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 (5th Semester) & Enrichment Program II (7th Semester):

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

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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			

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
Stream: Corporate Public Relation			
COMM6120	Corporate Public Relations in Industrial Practices	8	
COMM6138	Reputation Management in Industry	2	
COMM6139	Communication Strategy in Industry	2	
COMM6133	EES in Industrial Practices	4	
Stream: Marketing Public Relation			
COMM6110	Marketing Public Relations in Industrial Practices	8	
COMM6148	Branding Strategy in Industry	2	
COMM6139	Communication Strategy in Industry	2	
COMM6133	EES in Industrial Practices	4	
Stream: Broadcasting			
COMM6079	Broadcasting in Industrial Practices	8	
COMM6131	Broadcasting Programming in Industry	2	
COMM6132	News Production in Industry	2	
COMM6133	EES in Industrial Practices	4	

Code	Course Name	SCU	Total
Stream: Digital Journalism			
COMM6090	Digital Journalism In Industrial Practices	8	
COMM6143	Writing Skills in Industry	2	16
COMM6144	Applied Digital Media in Industry	2	
COMM6133	EES in Industrial Practices	4	
Enrichment Program II			
Stream: Corporate Public Relation			
COMM6122	Corporate Public Relations in Professional Practices	8	
COMM6140	Corporate Campaign in Industry	2	
COMM6141	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	
Stream: Marketing Public Relation			
COMM6112	Marketing Public Relations in Professional Practices	8	
COMM6152	Marketing Public Relations Campaign in Industry	2	16
COMM6141	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	
Stream: Broadcasting			
COMM6080	Broadcasting in Professional Practices	8	
COMM6134	Magazine Production in Industry	2	
COMM6135	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	
Stream: Digital Journalism			
COMM6093	Digital Journalism In Professional Practices	8	
COMM6145	News Research in Industry	2	16
COMM6146	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
For students who only take Entrepreneurship track in semester 5, should take these courses:			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	
For students who take Entrepreneurship track in semester 5 and 7, should take these courses:			
Enrichment Program I			16
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	

Code	Course Name	SCU	Total
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	
Enrichment Program II			
ENTR6312	Growing a Business	8	
ENTR6185	Lean Start Up & Business Plan in Communication Field	2	16
ENTR6186	Venture Capital in Communication Field	2	
ENTR6187	EES in Communication Business Experience	4	
For students who only take Entrepreneurship track in semester 7, should take these courses:			
Enrichment Program II			
ENTR6298	Business Start Up	8	
ENTR6182	Business Model and Validation in Communication Field	2	16
ENTR6183	Launching New Venture in Communication Field	2	
ENTR6184	EES in New Communication Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	16
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	16
CMDV6003	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
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	16
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	Code	Course Name	Minimum Grade
1	CHAR6013	Character Building: Pancasila	B
2	ENTR6004	Entrepreneurship II	C
3	COMM6097	Speaking in Public	B
4	COMM6012	Theory of Communication*	B
5	COMM6087	Writing Techniques in Communication Context	B
6	COMM6130	Professional Image and Acting*	B
Stream: Corporate Public Relations			
7	COMM6119	Communications in Crisis	B
8	COMM6124	Public Relations Management and Reputation Management in CPR Context*	B
Stream: Marketing Public Relations			
7	COMM6116	Customer Relationship Management and Media Planning in MPR Context	B
8	COMM6150	Integrated Marketing Communications and Consumer Behavior in MPR Context*	B
Stream: Broadcasting			
7	COMM6078	Radio and Television Script Writing*	B
8	COMM6084	Producer, Program and Management of Broadcasting	B
Stream: Digital Journalism			
7	COMM6089	Photography for Journalistic and Digital Journalism*	B
8	DSGN6187	Web Production and Web Management	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 industry. The program creates leaders as tourism expertise and professional with 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 general tourism and hospitality, 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 industry and a project for creating their own concept/business for tourism attraction. 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. This program is a flagship program that provides benefits in the field of theoretical and practical knowledge of tourism as a science.

Vision

Tourism Destination Bina Nusantara University is committed to the vision of making Tourism Destination Bina Nusantara University to be the 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.
10. Able to develop and implement effective communication, interpersonal skill, and teamwork to achieve work skills in tourism.
11. Able to develop and apply entrepreneurial skills in tourism industry.
12. Able to do tasks that require numeracy skills and mastery of foreign language (English) in tourism.
13. Able to demonstrate information technology skills needed in tourism.

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. Entrepreneur in tourism and hospitality industry
2. Managers/staff at tourism attraction or resort
3. Tour planner at tour & travel industry
4. Events Coordinator, staff/Manager at Events organizer
5. Staff at the Indonesia tourism office
6. Stewardess/steward/operational staff at airlines industry
7. Operational staff at cruise line
8. Human Resources Department at Hotel and tourism industry
9. Tourism Marketing at tourism industry
10. Banquet, sales and marketing at resort business
11. Corporate Hospitality Supervisor
12. Researcher in tourism issues
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:** 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 and Travel Industry 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	
	TRSM6134	Introduction to Indonesian Thematic Tourism*	2	
	TRSM8152	Tourism Philosophy*	2	
	LANG6028	Indonesian	2	
	English University Courses I			
	ENGL6128	English in Focus	2	
	ENGL6130	English for Business Presentation	2	
	Foreign Language Elective I* **			
	CHIN6089	Chinese Language I	4	
	JAPN6134	Japanese Language I	4	
	LANG6052	French Language I	4	
	LANG6053	Arabic Language I	4	
	LANG6054	Spain Language I	4	
2	CHAR6013	Character Building: Pancasila	2	20
	ACCT6177	Principles of Tourism Accounting and Finance	4	
	COMM6103	Intercultural Communication and Service Excellence*	4	
	ECON6035	Tourism Economics*	2	
	TRSM6135	International Tourism*	2	
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
	Foreign Language Elective II* **			
	CHIN6090	Chinese Language II	4	

Sem	Code	Course Name	SCU	Total
	JAPN6135	Japanese Language II	4	
	LANG6055	French Language II	4	
	LANG6056	Arabic Language II	4	
	LANG6057	Spain Language II	4	
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	TRSM6137	Indonesian Culture, History and Heritage*	4	
	ENGL6179	English for Tourism*	2	
	RSCH6028	Research Method and Statistics	4	
	TRSM6136	Hotel Management*	4	
	ENTR6003	Entrepreneurship I	2	
	Foreign Language Elective III* **			
	CHIN6091	Chinese Language III	4	
	JAPN6136	Japanese Language III	4	
	LANG6058	French Language III	4	
	LANG6059	Arabic Language III	4	
	LANG6060	Spain Language III	4	
4	CHAR6015	Character Building: Agama	2	22
	MGMT6164	Organizational Behavior in Tourism*	2	
	MGMT6165	Human Resource Management for Tourism and Service Sector*	2	
	MKTG6121	Marketing in Tourism*	2	
	TRSM6138	Transportation and Travel Industry Management*	4	
	TRSM6140	Tourism Law and Regulation	2	
	TRSM6141	Tourism Destination and Planning Management*	4	
	TRSM6139	E-Business and Digital Media for Tourism*/**	4	
5	TRSM6142	Event Management*	4	24
	TRSM6143	Ecotourism and Sustainable Development*	4	
	TRSM6144	Facilities Design For Tourism Destination*	4	
	TRSM8153	Strategic Issues and Fundamental of Tourism*	4	
	TRSM8154	Strategic Entrepreneurship and Tourism Innovation*/**	4	
	TRSM8155	Strategic Management for Tourism*	2	
	ENTR6004	Entrepreneurship II	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*

****) Elective Courses: Foreign Language*

- *Student has to choose one foreign languages starting on 1st semester (each for 4 SCU)*
- *Selected languages on 2nd and 3rd semester are same with selected languages on 1st 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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

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	Code	Course Name	Minimum Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	TRSM6132	Principles of Tourism, Leisure and Recreation*	C
4.	COMM6103	Intercultural Communication and Service Excellence	C
5.	TRSM6137	Indonesian Culture, History and Heritage*	C
6.	TRSM6141	Tourism Destination and Planning Management	C
7.	TRSM8154	Strategic Entrepreneurship and tourism innovation*	C
8.	TRSM6143	Ecotourism and Sustainable Development	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, and Food Technology. 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 focus 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 analyzed based on the principles of architectural design.
3. Able to communicate their ideas and design in the format 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	
	Stream : Real Estate			
	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	
	ARCH6072	Building Material Knowledge*/**	2	

Sem	Code	Course Name	SCU	Total
5	ENTR6004	Entrepreneurship II	2	20
	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 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2	v							v				
3	v									v		
4	v										v	
5	v								v			

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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
ENTR6290	Business Start Up	8	16
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
RSCH6222	Research Experience	8	16
RSCH6145	Architectural Scientific Writing	4	
RSCH6146	Global EES in Architecture	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6122	Community Outreach Project Implementation	8	16
CMDV6065	Community-Based Architecture	4	
CMDV6066	Employability and Entrepreneurial Skills in Architecture 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.	Code	Course Name	Minimum 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 are:

1. An ability to apply knowledge of 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, components, or process to meet desired needs.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulate and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively
8. To understand 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. Knowledge of contemporary issues.
11. An ability 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 providing 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
2. Hydrological and Environmental Engineering
3. Transportation and Traffic Engineering
4. Geotechnical Engineering
5. Highway 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
	STAT6095	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 CREDIT 146 SCU				

**) This course is delivered in English*

***) 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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
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.

The Table of Prerequisite for Civil Engineering (S1)

Subject		Credits	Sem	Prerequisite		Credits	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.	Code	Course Name	Minimum 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	
	English University Courses II			
	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	
	ENTR6003	Entrepreneurship I	2	
	STAT6003	Probability Theory	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	

Sem	Code	Course Name	SCU	Total
4	ENTR6014	Entrepreneurship Business Project I	1	18
	ISYE6041	Engineering Economy	2	
	ISYE6059	Human-Integrated Systems	2/2	
	ISYE6123	Deterministic Optimization*	3	
	STAT6084	Applied Statistics	3	
	ISYE6113	Leadership & Organizational Behavior*	2	
	ISYE6124	System Engineering & Analysis	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	
	Service Systems Engineering			
	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	

Sem	Code	Course Name	SCU	Total
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
	ISYE6120	Final Project	8	
TOTAL CREDIT 146 SCU				

**) This course is delivered in English*

***) Elective Courses*:

- *For 2nd Semester: Students choose 4 credits from Economic Elective course list*
- *For 3rd Semester: Students choose 4 credits from Computer Science Elective course 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 same with selected elective track 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 (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	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2		v					v					
3				v			v					

Notes:
I : Internship
RS** : Research
ENTR : Entrepreneurship
CD** : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
- Student can choose one of the available tracks

** For Community Development and Research Tracks must be approved by Department

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ISYE6117	Industrial Practice	8	
ISYE6140	Sustainable Productivity Engineering	4	
ISYE6139	Engineering Ethics	3	
Enrichment Program II			8
ISYE6141	Technical Communication	4	
ISYE6142	Future Trend in Industry	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6228	Research Experience	8	15
RSCH6126	Scientific Writing in Industrial Engineering	4	
RSCH6127	Global EES in Industrial Engineering	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6129	Community Outreach Project Implementation	8	15
CMDV6049	Design Project	4	
CMDV6050	Employability and Entrepreneurial Skills in Industrial Engineering	3	

The Table of Prerequisite for Industrial Engineering (S1)

Subject		Credits	Sem	Prerequisites		Credits	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 examination as listed below:

No.	Code	Course Name	Minimum 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 technopreuners, as well as to continue for advanced degrees in computer engineering or related disciplined 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, manufactur ability, 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

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	

Sem	Code	Course Name	SCU	Total
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	
	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 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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 : *(For students who only take Entrepreneurship track in semester 6, should take these courses)*			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:			15
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: *(For students who only take Entrepreneurship track in semester 7, should take these courses)*			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*			
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	15
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			
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	16
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)

Subject		Credits	Sem	Prerequisite		Credits	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.	Code	Course Name	Minimum 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 Program BINUS UNIVERSITY is designed not only to meet the market needs but also to produce creative, innovative and productive graduates skillful in food product innovation as well as food safety management system with IT support, providing graduates with *entrepreneurship* in food technology.

Food Technology Program concerns the application of chemical, biological, biochemical and engineering sciences to further understanding and to improve the quality, safety, nutritional, and economic value of food and beverages.

Facilities in the department include well-equipped laboratories, namely Food Chemistry and Biochemistry, Microbiology, Food Processing, Physics, Computer, and Sensory Laboratories with IT support.

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 Technology Industry: production, quality control, R&D in various national and international Food Processing 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, food quality standards, and counseling.
8. Consultant in food processing, product formulation, food safety, sanitation.

9. Food Entrepreneur.

Curriculum

Food Technology 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 in order to operate effectively and efficiently through direct involvement in problem solving essentially required in research and industries involving Food Technology.

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	
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	

Sem	Code	Course Name	SCU	Total
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 CREDIT 146 SCU				

**) This course is delivered in English*

***) Enrepreneurship Embedded*

****) Students choose 6 credits of elective courses*

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).*

Enrichment Track Scheme

Track	Semester 7						Semester 8					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

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
ENTR6295	Business Start Up	8	16
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*

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 Food Technology (S1)

Subject		Credits	Sem	Prerequisite		Credits	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.	Code	Course Name	Minimum 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

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 glocalisation 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 entrepreneurships 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	

Sem	Code	Course Name	SCU	Total
	MATH6108	Linear and Discrete Math	4	
	ISYE6107	Human-Integrated Systems	2/2	
	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 CREDIT 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 artifiicial 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:

1st year	Basic courses to support abilities in automotive, electronics, and computer systems engineering
2nd year	Engineering fundamental courses for automotive, electronics, and computer systems engineering
3rd year	Technically required courses for intelligent automotive and robotics systems engineering
Summer Course	Special courses and trainings of automotive engineering in Japan
4th 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	
	COMP6252	Algorithm and Programming	4/2	
	MATH6101	Engineering Mathematics I	4	
	STAT6107	Probability and Statistics	2	
3	MATH6104	Engineering Mathematics II	4	20
	MATH6105	Discrete Mathematics	2	
	CPEN6112	Electric Circuit Theory	2/1	
	CPEN6113	Electronic Devices	4/1	
	ENTR6057	Entrepreneurship I	2	
	AREN6003	Strength of materials	2	
	AREN6002	2D CAD Drafting	2	
4	CPEN6114	Control System	2/2	21
	CPEN6115	Digital System	5/1	
	MATH6106	Numerical Methods	2	
	CPEN6116	Computer Networks	4/1	
	AREN6004	3D CAD Basic	2	
	CHAR6018	Character Building: Agama	2	
5	CPEN6117	Computer Organization and Architecture	4	20
	CPEN6118	Digital Signal Processing	2/1	
	ENTR6058	Entrepreneurship II	2	
	AREN6005	3D CAD Applied	4	
	AREN6006	Mechanical engineering	4	
	ISYS6330	Database Design & Application	2/1	
6	AREN6007	Operations Engineering	2	19
	AREN6008	Automotive engineering	4	
	CPEN6119	Computational Intelligence	2/1	
	CPEN6120	Computer System Development and Methodology	2	
	COMP6169	Operating Systems	2	
	CPEN6121	Microcontroller Design and Application	5/1	
7	AREN6009	3D CAD Advanced*	4	20
	AREN6010	Manufacture Training*	4	
	AREN6011	Internship	4	
	AREN6012	Automotive development	2	
	AREN6013	Robotics and Automation	4/2	
8	AREN6014	Final Project	6	6
TOTAL CREDIT 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 educating 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 socioculture 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 Etic, Chinese Teaching Methodology, Chinese Culture, Translation, Business Correspondence, Business Negotiation, Chinese Computer, Entrepreneur, Advertising and Design. Elective courses surely expand their choice 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
	Business Elective			
	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 CREDIT 146 SCU

**) Entrepreneurship Embedded*

***) Student choose one elective from three elective groups*

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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2		v						v				
3			V						v			
4				v						v		
5					v						v	

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
CHIN6079	Internship I	8	15
CHIN6080	Chinese Work Ethic in Industry	2	
CHIN6081	Chinese Communication in Industry I	2	
CHIN6110	EES in Industry I	3	
Enrichment Program II			
CHIN6083	Internship II	8	16
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			
ENTR6320	Business Start Up	8	15
ENTR6170	Chinese Business Model & Validation	2	
ENTR6171	Launching New Venture in Chinese	2	
ENTR6373	EES in New Chinese Business	3	
Enrichment Program II			
ENTR6352	Growing a Business	8	16
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			
RSCH6242	Research Experience I	8	15
RSCH6124	Chinese Research Methodology	4	
RSCH6289	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			
RSCH6257	Research Experience II	8	16
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	
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 Chinese (S1)

Subject		Credits	Sem	Prerequisite		Credits	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	Code	Course Name	Minimum 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 and 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 sociocultural in Bahasa Indonesia both oral and written.
6. Able to present the historical and Indonesian sociocultural in Japanese both oral and written communication.
7. Able to apply Japanese software to improve the employability skills.
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 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

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.

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 (*Nihonshi*)	2	
	JAPN6052	Japanese I (*Nihongo I*)	4	
	JAPN6003	Conversation and Listening Comprehension I (*Kaiwa to Chookai I*)	4	
	JAPN6013	Writing and Reading I (*Kakikata to Yomikata I*)	4	
	JAPN6019	Images of Japan (*Nihon JiJou*)	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 *(Gendai Nihonjin Shakai)*	2	
	JAPN6053	Japanese II (*Nihongo II)*	4	
	JAPN6004	Conversation and Listening Comprehension II (*Kaiwa to Chookai II*)	4	
	JAPN6014	Writing and Reading II (*Kakikata to Yomikata II)*	4	
	JAPN6073	Japanese Literature *(Nihon Bungaku)*	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	22
	JAPN6113	Japan and Indonesia in Various Perspective *(Nihon to Indonesia no Bunka Hikaku)*	2	
	ENTR6003	Entrepreneurship I	2	
	JAPN6029	Japanese Phonology and Morphology (*Nihon no Onseigaku to Keitaigaku)*	2	
	JAPN6054	Japanese III (*Nihongo III)*	4	
	JAPN6005	Conversation and Listening Comprehension III (*Kaiwa to Chookai III*)	4	
	JAPN6015	Writing and Reading III (*Kakikata to Yomikata III)*	4	
	COMP6165	Japanese Computer *(Nihon no Kompyuta)*	2	

Sem	Code	Course Name	SCU	Total
4	JAPN6055	Japanese IV (*Nihongo IV)*	4	23
	JAPN6006	Conversation and Listening Comprehension IV (*Kaiwa to Chookai IV*)	4	
	JAPN6109	Writing and Reading IV (*Kakikata to Yomikata IV)**	5	
	JAPN6083	Composition and Presentation *(Sakubun to Hapyou)*	2	
	JAPN6082	Japanese Semantics and *Syntax (Nihon no Imiron-Nihon no Kobunho)*	2	
	INTR6095	Japanese Political and Economy *(Nihon no Seiji to Keizai)*	2	
	JAPN6114	Business Japanese I *(Bijinesu Nihongo I)*	2	
	JAPN6115	Japanese in Translation I *(Nihongo Honyaku I)*	2	
5	JAPN6117	Intermediate Japanese *(Chuukyuu Bunpou)*	4	23
	ENTR6004	Entrepreneurship II	2	
	JAPN6116	Japanese Corporate Culture and Management *(Nihon No Kigyou Bunka to Maneejimento)*	2	
	JAPN6032	Japanese Work Ethics *(Bijinesu Mana-)*	2	
	JAPN6118	Text Analysis *(Chuukyuu Dokkai)*	4	
	JAPN6108	Scientific Research Methodology *(Kenkyuuriron)*	2	
	JAPN6119	Business Japanese II *(Bijinesu Nihongo II)*	2	
	JAPN6120	Japanese in Translation II *(Nihongo Honyaku II)**	3	
	JAPN6074	Japanese Language Proficiency Test: Intermediate Level *(Noryoku Shiken III)*	2	
6	**Enrichment Program I**		15	15
7	**Enrichment Program II**		16	16
8	JAPN6008	Thesis (*Rombun*)	6	6
				TOTAL CREDIT 146 SCU

**) 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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		

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
JAPN6121	Industrial Experience	8	15
JAPN6122	Japanese Culture and Technology in Industry *(Kigyou no Bunka to Gijutsu)*	2	
JAPN6123	Japanese Language in Industry (*Bijinesu Nihongo Jisshuu)*	2	
JAPN6137	Self Management and Team Work Skill	3	
Enrichment Program II			
JAPN6125	Professional Experience	8	16
JAPN6139	Japanese Corporate Management in Industry *(Kigyou Keiei)*	2	
JAPN6127	Japanese for Specific Purpose in Industry (*Ouyou Bijinesu Nihongo Jisshuu)*	2	
JAPN6128	Problem Solving and Communication Skill	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6297	Business Start Up	8	15
ENTR6221	Business Model & Validation in Japanese Market	2	
ENTR6222	Launching New Venture in Japanese Market	2	
ENTR6244	EES in New Japanese Market Business	3	

Code	Course Name	SCU	Total
Enrichment Program II			
ENTR6311	Growing a Business	8	16
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 Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6131	Community Outreach Project Implementation	8	15
CMDV6085	Japanese Community Outreach Project Design	4	
CMDV6102	Employability and Entrepreneurial Skills in Japanese Community	3	
Enrichment Program II			
CMDV6142	Community Development Project Implementation	8	16
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*			
Enrichment Program I			
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	

Code	Course Name	SCU	Total
Enrichment Program II			
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	16
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)

Subject		Credits	Sem	Prerequisite		Credits	Sem
JAPN6054	Japanese III (*Nihongo III)*	4	3	JAPN6052	Japanese I (*Nihongo I)*	4	1
				OR			
				JAPN6053	Japanese II (*Nihongo II)**	4	2
JAPN6005	Conversation and Listening Comprehension III (*Kaiwa to Chookai III*)	4	3	JAPN6003	Conversation and Listening Comprehension I (*Kaiwa to Chookai I*)	4	1
				OR			
				JAPN6004	Conversation and Listening Comprehension II (*Kaiwa to Chookai II*)*	4	2

Student can enroll JAPN6054 - Japanese III (Nihongo III) subject if already pass JAPN6052 - Japanese I (Nihongo I) subject OR JAPN6053 - Japanese II (Nihongo II) subject with a minimum grade is C

Student can enroll JAPN6005 - Conversation and Listening Comprehension III (Kaiwa to Chookai III) subject if already pass JAPN6003 - Conversation and Listening Comprehension I (Kaiwa to Chookai I) subject OR JAPN6004 - Conversation and Listening Comprehension II (Kaiwa to Chookai II) subject with a minimum grade is C

**) the examination schedule of JAPN6053 and JAPN6004 will be a priority to be scheduled on the first day, the grade will also be processed as priority.*

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

No	Code	Course Name	Minimum Grade
1.	CHAR6013	Character Building: Pancasila	B
2.	ENTR6004	Entrepreneurship II	C
3.	JAPN6113	Japan and Indonesia in Various Perspective *(Nihon to Indonesia no Bunka Hikaku)*	C
4.	JAPN6006	Conversation and Listening Comprehension IV (*Kaiwa to Chookai IV*)*	C
5.	JAPN6055	Japanese IV *(Nihongo IV)**	C
6.	JAPN6032	Japanese Work Ethics *(Bijinesu Mana-)*	C
7.	JAPN6108	Scientific Research Methodology *(Kenkyuuriron)*	C
8.	JAPN6074	Japanese Language Proficiency Test: Intermediate Level *(Noryoku Shiken III)**	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. Competent in both oral and written English, in the contexts of general communications, academic, and work, according to the standard of quality.
2. Competent in 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. Language instructor
2. Translator
3. Copy-writer
4. Creative writer
5. Travel writer
6. Novelist
7. Civil service and Government Departments (e.g. Department of Foreign Affairs; Post and Telecommunications; Department of Commerce; Department of Finance)
8. Private sector (Human Resources; Public Relations; Training)
9. Diplomatic service (Cultural; Education; Public Relations)
10. Self-employment: (Language school; translation bureau; and travel agency)
11. Continue to post-graduate study (S2)

12. Entrepreneurs

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 streamsand 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 steaming 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	
	ENTR6003	Entrepreneurship I	2	
	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	

Sem	Code	Course Name	SCU	Total
	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	
	Stream : English for Business Professionals			
	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 CREDIT 146 SCU	

**) 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).*

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	v						v					
2		v					v					
3			v				v					
4				v			v					
5					v		v					

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENGL6186	Internship	8	15
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			
ENGL6212	Field Work Experience	8	16
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
ENTR6294	Business Start Up	8	15
ENTR6219	Language and Culture Business Model	2	
ENTR6220	Language Business Venture	2	
ENTR6252	English for EES in Start-Up Business	3	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6226	Research Experience	8	15
RSCH6167	Language and Culture Inquiry	4	
RSCH6189	EES for English Language and Culture	3	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6127	Community Outreach Project Implementation	8	15
CMDV6084	Community Outreach Project Design in Language and Culture	4	
CMDV6105	English Learning for Employability and Entrepreneurial Skills	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 English (S1)

Subject		Credits	Sem	Prerequisite		Credits	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

- Students must pass ENGL6147 Language Use II with a minimum Grade of 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 adjusment 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	Code	Course Name	Minimum 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 2021, 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	
	ENGL6130	English for Business Presentation	2	

Sem	Code	Course Name	SCU	Total
2	PSYC6136	Theories of Developmental Psychology	2	21
	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	
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	**Enrichment Program I**		15	15
6	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	

Sem	Code	Course Name	SCU	Total
7	**Stream : Educational Psychology**			16
	Enrichment Program II		16	
	Stream : Community Psychology			
	Enrichment Program II		16	
	Stream : Industrial & Organizational Psychology			
	Enrichment Program II		16	
8	**Stream : Educational Psychology**			6
	PSYC6095	Thesis	6	
	Stream : Community Psychology			
	PSYC6096	Thesis	6	
	Stream: Industrial & Organizational Psychology			
	PSYC6097	Thesis	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 (5th Semester) & Enrichment Program II (7th Semester):

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

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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	
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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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	

Code	Course Name	SCU	Total
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*: (For student who only take Entrepreneurship track in semester 5, should take these courses)*			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 5 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: (*For student who only take Entrepreneurship track in semester 7, should take these courses)*			
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

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			
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	16
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 Psychology (S1)

Subject		Credits	Sem	Prerequisite		Credits	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	6	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	Code	Course Name	Minimum 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

No	Code	Course Name	Minimum Grade
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 pillars 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, curator mediators, 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.
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	
4	LAWS6089	Islamic Business Law*	2	24
	LAWS6090	Investment Law**	4	
	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	

Sem	Code	Course Name	SCU	Total
5	LAWS6029	Legal Research Methods	4	24
	LAWS6098	Legal Philosophy & Legal Ethics*	4	
	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 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 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
1	**I**	**RS**	**ENTR**	**CD**	**SA**	***etc**	**I**	**RS**	**ENTR**	**CD**	**SA**	***etc**
2	v						v					
3		v						v				
4			v						v			
5				v						v		
6					v						v	

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
LAWS6101	Internship I	8	15
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			
LAWS6105	Internship II	8	16
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			
ENTR6319	Business Start Up	8	15
ENTR6155	Legal Aspect in Business Model & Validation	2	
ENTR6156	Legal Aspect in New Venture	2	
ENTR6372	EES in New Business	3	
Enrichment Program II			
ENTR6351	Growing a Business	8	16
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			
RSCH6241	Research Experience I	8	15
RSCH6117	Academic Writing I	4	
RSCH6288	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
Enrichment Program II			
RSCH6256	Research Experience II	8	16
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	Code	Course Name	Minimum 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/ 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	
	INTR6004	Philosophy of Social Science	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
	INTR6005	Introduction to International Trade and Business*	4	
	INTR6006	Introduction to Security Studies*	4	
	INTR6007	International Relations Research Method	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	
3	CHAR6015	Character Building: Agama	2	24
	INTR6008	Modern Theories of International Relations	4	
	INTR6009	Diplomacy and International Politics*	4	
	ENTR6003	Entrepreneurship I	2	
	Stream : Multinational Corporations			
	INTR8055	The Rise and Fall of Multinational Corporations*	2	
	INTR6051	Indonesia and International Development*	2	
	INTR8034	Multinational Corporations and Social Responsibility	4	
	Stream: Trade and Business Diplomacy			
	INTR8049	Global Economic Architecture*	2	
	INTR8053	National Identity in a Global World*	2	
	INTR8038	WTO and Trade Diplomacy	4	
	Stream : Media, International Organization and Global Governance			
	INTR8052	International Communication and Multiculturalism*	2	
	INTR6056	The Role of Indonesia in the Global Governance*	2	
	INTR6041	Development of Information Technology and Warfare	4	
	Stream : Security Studies			
	INTR8050	Global Security Architecture*	2	
	INTR8054	The Indonesian Defense Strategy*	2	
	INTR8044	Strategic Leadership	4	
	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	

Sem	Code	Course Name	SCU	Total
4	INTR6012	International Political Economic Thoughts*	2	24
	INTR6011	World Strategic Thoughts*	2	
	INTR6133	An ASEAN Community : Security, Economy and Society**	4	
	INTR6010	Indonesia's Foreign Policy*	4	
	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	
	Streaming : Multinational Corporations			
	INTR8035	International Political Economy of Multinational Corporations*	4	
	INTR8036	Multinational Corporation's Global Strategy*	4	
	Streaming : Trade and Business Diplomacy			
	INTR6039	Indonesia's Trade Policy in An Era of Free Competition	4	
	INTR8040	Economic Diplomacy of China and India*	4	
	Stream : Media, International Organization and Global Governance			
	INTR8042	Media, War and Peace	4	
	INTR8043	International Media and State Role*	4	
	Streaming : Security Studies			
	INTR8045	Conflict and Peace Studies	4	
	INTR8046	Terrorism Era: Economic, Social, Political and Security Impacts*	4	
5	**Stream : Multinational Corporations**			15
	Enrichment Program I		15	
	Stream : Trade and Business Diplomacy			
	Enrichment Program I		15	
	Stream : Media, International Organization and Global Governance			
	Enrichment Program I		15	
	Stream : Security Studies			
	Enrichment Program I		15	
6	ENTR6004	Entrepreneurship II	2	20
	INTR6018	International Organization in International Relations**	4	
	INTR6075	International Law Issues and International Dispute Settlement	4	
	INTR6025	Non-Conventional Issues in International Relations*	2	
	INTR6017	Foreign Policy of Developed Countries	4	
	INTR6037	Research Proposal Seminar	4	

Sem	Code	Course Name	SCU	Total
7	**Stream : Multinational Corporations**			16
	Enrichment Program II		16	
	Stream : Trade and Business Diplomacy			
	Enrichment Program II		16	
	Stream : Media, International Organization and Global Governance			
	Enrichment Program II		16	
	Stream : Security Studies			
	Enrichment Program II		16	
8	INTR6048	Thesis	6	6
TOTAL CREDIT 146 SCU				

**) This course is delivered in English*

***) Entrepreneurship Embedded*

****) Elective Courses: Foreign Language*

- *Student has to choose one foreign languages starting on 2nd semester (each for 4 SCU)*
- *Selected languages on 3rd and 4th semester are same with selected languages on 2nd semester*

*****) Elective Courses*

- *Student has to choose one of the subject (4 SCU) on 4th 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 (7th Semester):

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

Enrichment Track Scheme

Track	Semester 5						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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			

Track	Semester 5						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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	

Code	Course Name	SCU	Total
For student who take Entrepreneurship track in semester 5 and 7, should take these courses:			15
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 7, should take these courses:)*			16
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

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	Code	Course Name	Minimum 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.	INTR6051	Indonesia and International Development	C
8.	INTR8035	International Political Economy of Multinational Corporations*	C
Stream : Trade and Business Diplomacy			
7.	INTR8053	National Identity in a Global World	C
8.	INTR6039	Indonesia's Trade Policy in An Era of Free Competition*	C
Stream : Media, International Organization and Global Governance			
7.	INTR6056	The Role of Indonesia in the Global Governance*	C
8.	INTR8043	International Media and State Role	C
Stream : Security Studies			
7.	INTR8054	The Indonesian Defense Strategy*	C
8.	INTR8046	Terrorism Era: Economic, Social, Political and Security Impacts	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 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 dynamic leaders who actively contribute on environment development and develop national and global primary education field.
2. Conducting education through explorative and innovative learning experience for students in order to equip students with competency in analyzing primary education aspects and apply it through character education.
3. Developing research culture in academic environment on the field of education science and especially field of primary teacher education.
4. Increasing primary education network quality through community services in education advocating program and social activity.
5. Strengthening network in primary education field community and local and global society as contribution on developing 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 instructional, co-curricular and extra-curricular activities, with student active learning approach by utilizing 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	

Sem	Code	Course Name	SCU	Total
3	CHAR6015	Character Building: Agama	2	24
	EDUC6014	ICT Based Learning Media	4	
	EDUC6017	Curriculum and Instructional Development	4	
	STAT6099	Statistics for Education	4	
	SOCS6032	Social Science for Primary I	2/2	
	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 CREDIT 146 SCU				

**) This course is delivered in English*

***) 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 examinations as listed below:

No	Code	Course Name	Minimum 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

Minor Program

Mandarin

Description:

This Chinese minor program is designed to enrich the learners with Chinese communication skills, besides also give understanding about Chinese common social ethics and living culture. This program offers several Chinese fundamental courses such as Basic Comprehensive Chinese, Character Writing, Basic Chinese Conversation, Basic Listening, Chinese Folk, and Culture.

Learning outcomes:

Graduates will be able to communicate with basic Chinese skill by integrating Chinese culture in daily context.

Prospective Career:

Students have bigger opportunity to constribute the major skillin Chinese related companies and job positions.

Course Structure

Code	Course Name	SCU	Total
Minor Program I			6
CHIN6105	Basic Comprehensive Chinese	4	
CHIN6106	Character Writing	2	
Minor Program II			6
CHIN6107	Basic Chinese Conversation	2	
CHIN6108	Basic Listening	2	
CHIN6109	Chinese Folk and Culture	2	

Information Technology

Description:

This program will put emphasis on the process, techniques, and tools that go into developing information technology for business, with specialties website development for business process.

Learning out comes:

At the end of the program, graduates will be able to utilize information, computer and technology in daily business process.

Prospective Career:

Web Designer; Web Blogger; Business IT Analyst; Business Mobile Expert.

Course Structure

Code	Course Name	SCU	Total
Minor Program I			6
COMP6224	Introduction to Computer	2	
COMP6258	Computer Logic	2	
COMP6259	Enterprise System	2	
Minor Program II			6
COMP6260	Computer Safety	2	
MOBI6036	Mobile Business	2	
COMP6261	Website Development	2	

Design

Description:

Minor program design will give experience to students in order to create design concept until the delivery, as well as the design work presentation. First of all, student will be equipped with basic knowledge of design principle and introduction to some graphic software.

Learning out comes:

In the end of this program, students will be able to explain a basic knowledge of art/design; apply a basic and fundamental knowledge of art/design in practice.

Prospective Career:

expertise in design related workplace; consultant or manager who will be able to propose good design as their value point; Manager in communication design industry; design analyst in industry.

Course Structure

Code	Course Name	SCU	Total
Minor Program I			6
ARTS6016	Drawing	2	
DSGN6344	Design Materials	4	
Minor Program II			6
DSGN6268	Computer Graphic	4	
DSGN6343	Creative Presentation	2	

Business

Description:

This minor is designed to provide students with a broad understanding of business theory, practices, and applications. The Minor Program is designed for students who envision careers that require an understanding of the basic principles and practices of business and is applicable to students pursuing careers business and non-business fields. Many business courses are application-oriented, exploring theoretical approaches and emphasizing the

implementation of those theories across a wide range of real-world contexts. Courses are designed to promote continuity from one course to another to help demonstrate the interconnectivity of business fundamentals.

Learning Outcomes:

Graduate will be able to design innovative and competitive business plan.

Prospective Career:

Management Consultant, Manager at various field ofIndustry, Management Analyst, Busines Management Specialist, Business Development Analyst/Specialist, Lecture/Trainer.

Course Structure

Code	Course Name	SCU	Total
Minor Program I			6
MGMT6175	Cross Cultural Management	4	
MGMT6176	Business Communication	2	
MinorProgram II			6
MGMT6177	Operational Management	4	
MGMT6178	Leadership in Organization	2	

2.4 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 Suppart-Department Costs, Common Costs and Revenue; Cost Allocation, Joint Products and By Product; Inventory Management, just in time (JIT) and Simplified Costing Methods.

ACCT6030 – INTRODUCTION TO ACCOUNTING I (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the conceptual framework, accounting principles, and accounting standards as the basis in preparation of financial statements, and all stages in the accounting cycle; Explain the differences between service and merchandising companies, and the steps in the accounting cycle for merchandising company; Identify some of the methods in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS) relating asset that consists of inventories, cash, accounts receivable, tangible and intangible assets; Apply the methods in recording and calculating the asset that consists of of inventories, cash, accounts receivable, tangible and intangible assets in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Prepare the complete accounting cycle.

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.

ACCT6031 – INTRODUCTION TO ACCOUNTING II (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the accounting methods/treatments for Liabilities and Equity in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Apply the accounting methods/treatments for Liabilities and Equity in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Prepare the basic income statement, financial position statements, and statement of cash flow; Analyze company's financial statement.

Topics: Liabilities; Corporations: Organization and Capital Stock Transactions; Corporations: Dividends, Retained Earnings, and Income Reporting; Investments; Income Statement and Related Information; Statement of Financial Position; Statement of Cash Flows; Financial Statement Analysis.

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 Scorecard, 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 Revison; 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.

ACCT6068 – ACCOUNTING FOR GOVERNMENT AND NON-PROFIT ORGANIZATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students 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 Standards; 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 Part #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 Part #2; Public Services Agency (PSA-BLU); Budgeting (APBD) cycle of Indonesian Local Government; Local government Accounting System including standard journal entries Part #1; Local government Accounting System including standard journal entries Part #2; Auditing government and Not-for-profit organization.

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; End 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 Reportin; 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: Introduction : 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; End of Audit Engagement.

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 Revison; 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; Theoritical Framework and Hypothesis Development; Element Of Research Design; Data Collection Methods: Interview; Data Collection Methods : Observation; Data Collection Methods : Questionaires; Measurement : Variable, Scaling, Reliability and Validity; Sampling; Quantitative Data Analysis; Qualitative Data Analysis; Research Report and Proposal.

ACCT6115 - ACCOUNTING APPLICATION LABORATORY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Classify a large volume of data across multiple worksheets or pages of information in the file; Analyze data with formulas and functions; Create comparison of data by using chart, database function and pivot tables function; Demonstrate the skill to setup initial data configurations in accounting application; Demonstrate the skill to correctly enter purchase, sales , bank, inventory, and general journal entries into accounting application.

Topics: Getting Started With Excel; Introducing Formulas and Functions; Working with Formulas and Functions; Creating Formulas that Lookup Values; Getting Started making Charts; Working with database tables in Excel; Analyzing data with Pivot Tables; Opening Setup – New Data File, Chart of Account,Customer,Supplier and Link Account; Opening Balances – Inventory; Purchase Transactions; Sales Transactions; Banking , General Entries,and Inventories; Case – Opening Setup, Purchase, Sales, Banking Transactions, and General Entries.

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.

ACCT6118 - CURRENT ISSUES IN ACCOUNTING AND FINANCE (4 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; Profiling Customers of Finance Business; IFRS Beyond 2018; Big Data and Analytics in the Audit Process; Taxation update; Who are Our Next 10 Customers?; Indonesian Accounting Standards (PSAK) Ratified in 2015; Financial Institution Regulation; High Specifications of Accounting and Finance Services; Corporate Reporting; Audit Investigative; Audit IT and Accounting Information System; XBRL Reporting Implementation; Quantifying the Value Propositions of Accounting & Fin Service Business; Banking Industry Update; Where is Your Positions? (Chart Competitive Positiion); Accounting For Mining and Oil and Gas Industry; Designing Business Model of Accounting & Fin Service; Application of Management Accounting; Paper Submission.

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: Upon successful completion of this course, students are expected to 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 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; The Recording Process; Adjusting the Accounts; Completing the Accounting Cycle; Accounting for Merchandising Operations; Inventories; Fraud, Internal Control, and Cash; Accounting for Receivables; 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 Capaital Management; Capital Budgeting and The Investment Decision; Feasibility Studies; Financial Goals and Information Systems

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

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 scare resources to get work done.

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 scare 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.

ACCT7047 – FRAUD AUDITING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain fraud examination methodology, Identify Problems fraudulent financial schemes, Develop action to prevent and/or detect financial fraud; Explain kind of various fraudulent modus; Distinguish the types of individual and corporate fraud; Demonstrate techniques to find fraud.

Topics: The Nature of Fraud; The Nature of Fraud (Continued); Why People Commit Fraud?; Fighting Fraud: Overview; Preventing Fraud; Preventing Fraud (continued); Recognizing the Symtoms of Fraud; Recognizing the Symtoms of Fraud (continued); Data Driven Fraud Detection; Data Driven Fraud Detection (continued); Investigating Theef Act; Investigating Concealement; Conversion Investigating Fraud; Conversion Investigating Fraud (continued); Financial Statement Fraud; Financial Statement Fraud (continued); Revenue and Inventory Related Financial Statement Fraud; Revenue and Inventory Related Financial Statement Fraud (continued); Liability. Asset, and Inaquate Disclousure Frauds; Liability. Asset, and Inaquate Disclousure Frauds

(continued); Fraud Againts Organizations; Consumers Fraud; Bankrutpcy, Divorce, and Tax Fraud; Bankrutpcy, Divorce, and Tax Fraud (continued); Fraud in E-Commerce; Fraud in E-Commerce (continued).

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 Anaylsis; Relevant Costs for Decision Making; The Balance Score Card; Pricing Products and Services; Profitability Analysis; Transfer Pricing; Decision Making Under Uncertainty.

ACCT7076 – CORPORATE GOVERNANCE (2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe the framework, basic concepts and issues related to corporate governance including the roles of IT and ethics; Evaluate the roles of responsibilities of Board of Directors; Evaluate the roles of responsibilities of Management; Evaluate the roles of responsibilities of Gatekeepers; Evaluate the roles of responsibilities of Stakeholders.

Topics: Financial Markets, Financial Reports and Corporate Governance; Fundamentals of Corporate Governance; Business Ethics and Integrity; Roles and Responsibility of Board of Directors; Roles and Responsibility of Management; Roles and Responsibility of Gatekeepers; Roles and Responsibility of Stakeholders; Corporate Governance and Information Technology (IT).

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 Bulding System; Describe the Theory, Research, Evaluation and Critics in Architecture; Describe the Allied Diciplines.

Topics: Architecture and Context; Architecture: Function and Images; Fundamental of Architecture; Building System and Technology; Architectural Theory, Research, and Evaluation; Allied Diciplines.

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 architctural 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 of human settlements; Explain the MDG's and sustainable human settlements; Decribe the Indonesian Regulation on Human Settlements Planning and Design.

Topics: Human Settlements; History of Human Settlements; Factors that influence the Human Settlements; Problems of Human Settlements; Millenium Development Goals for 21st Century; Sustainable Human Settlement; 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: Explain the Profesional Ethics in Architecture Paractices; Analyze Building System; Apply the Principal of Human Behaviour, Human Diversity, Eastern Tradition into Architectural Design; Integrate Cultural & Environmental System in Architectural Design.

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; Compare between theory and its application in existing real estate; Explain Real Estate Financial and Investment; Explain Real Estate Appraisal, Marketing and Regulation in Indonesia; Describe relation between Real Estate, Architecture and Urban Development; Propose Real Estate site plan (small scale).

Topics: Real Estate Definition; Real Estate Development;Investment Aspect in Real Estate; Financial Aspect in Real Estate; Marketing Aspect in Real Estate; Law and Regulation Aspect in Real Estate; Real Estate Appraisal; Real Estate Development and Buildings; Relation between Real Estate and Urban Development; Real estate and Urban Development; Real Estate Development and Site Plan.

ARCH6015 – ARCHITECTURAL COMMUNICATION TECHNIQUE (4 Credits)

Learning Outcomes: On successful completion of this course, student 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 rendering; Produce the maquette and photo for Architectural presentation; Produce the presentation based on architectural communication technique.

Topics: Introduction of Communication Architecture technique; Communication technique in architecture; Sketches; Case study : Basic sketches of a thing; Types of drawings; Case study : Basic orthographic drawing of single thing; Multi view Drawing; Case Study : Multiview drawing of a single house; Paraline drawing; Case Study : Paraline 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 : Drawing building , with two point perspective principle; Principles of shades,shadow and texture; Case Study : Drawing shades, shadow and texture of a single house; Architectural rendering; Case Study : Render a single house; Maquette; Case Study : Architecture Maquette; Photography; Case Study : Make a Photo of a Architecture Project; Formatting the Architecture presentation; Case Study : Make a Poster and Communication board of Architecture project (a single house); Presentation and conclusion; Make the presentation of all drawings, maquette and photo.

ARCH6017 – SITE PLANNING (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 proffesional ethics in architectural practice; Integrate cultural & environtment system in architectural design.

Topics: Site characteristic/landscape form; Topography and slopes; Road and parking system; Vegetation; Drainage System/Runoff; 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); Describe simple technical specification of concrete and wood materials and its construction system; Plan building construction drawings and the detail of structural systems for preparation to carrying out construction work tenders; Plan a simple Mechanical and Electrical system for low storey building.

Topics: Basic principle 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; Roof truss structure; Roof covering; Frame, Doors, and Windows; Slab systems; Floor covering; Stairs structure; Introduction and application of ceiling system; Mechanical and Electrical in Low Building Structures.

ARCH6019 – BUILDING TECHNOLOGY II (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: choose middle rise-building system including structure design, construction drawings and isometric utilities drawings; Explain structure and construction systems include building utilities; Design structure systems and utilities network in three dimensional form for middle rise-building; Calculate structures, utilities and simple building cost.

Topics: General Description; System Structures (Sub and Upper Structure); Load and Stabilities on Buildings; Frame Structure and Wall Structure; Dimension of Plate, Beam, Column, Volume and Density of Frame Structure; Bearing Capacity of Pile and Raft Foundations; Core Structure System; Vertical Building Transportation; Utilities Building 1 (air Conditioning And Fire Prevention); Utilities Building 2 (Plumbing System); Utilities Building 3 (Electrical System); Axonometric and Isometric for Utilities Network Structure; Economic Building.

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: Select building system including structure design, construction drawings and isometric utilities drawings; Explain the criteria of structure and construction systems include building utilities; Describe the design principles of integration between the demands of the function of architectural, structural, and utilities; Produce the details of the structure, construction methods, budget costs (economic techno) for high-rise buildings, and construction equipment; Illustrate a diagram / schematic system of high-rise building.

Topics: Introduction to Methods Construction of multistory buildings; System Structures and high-rise building classification; Load, force and the behaviour of the structure; Expenses horizontal/lateral, and their effects on buildings; Core system; Core, utilities and zoning in the system of high-rise structures; Beam and floor plate structure system; Criteria for earthquake resistant buildings (part I), Behavior Structure, and Case Studies; Criteria for earthquake resistant buildings (part II), Behavior Structure, and Case Studies; The foundations and basement; The skin facade buildings and building envelope; System Utilities; 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 importance of a method in architectural design; Formulate the planning stages to be executed; Analyze problems in architectural programming; Formulate concepts in architectural design.

Topics: The Role of Design Methods; Design Methods and Strategies; Design Process; Defining Problems in Architectural Design; Analyze Architectural Problem; Concept in Architectural Design.

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 proffesional 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: The Design Process Elements and Iterative Loops; Architectural Concepts; Precedents and Historical Perspectives; Site Context; Construction Technology and Materials; Codes, Ordinances, and Regulations; Preliminary Design Presentations; Presentations & Review.

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 proffesional 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 need 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: The Design Process Elements and Iterative Loops; Architectural Programming; Program Preparation; Preliminary Design Presentations; Final Design Presentations & Review.

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 system; 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 Teritoriality; 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 Etnograph, 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: Explain the modern architecture in early period, cultural development, the impact of industrial and social revolution to architecture; Identify a critical history of modern architecture; Explain the international style, regionalism, post-modern and deconstructivism; Evaluate architectural practice related to development of modern architecture and cultural heritage.

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 the World; 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 the capacity and space requirements.

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.

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; Evaluate 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 Materia; 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 appraisal purpose and process; Analyze land value and HBU aspect of property; Appraise property land and building value; Propose the potential showcase business project in property.

Topics: Market analysis and Customer Insight; Business Model Environment; Product of Services Development Prototyping Product of Business; Property Definition; Collecting Data for Property Appraisal & Market Analysis and Customer Insight; Site Valuation & Business Model Environment; HBU Analysis & Product of Services Development; Property Appraisal Purposes & Prototyping Product of Business; Evaluation Product of Service & Property Appraisal Purposes; Property Appraisal Purposes & Design Process; Property Appraisal Cases.

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 project management theory in the real contruction 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 artform; Design 3 dimension aesthetics artform; Create the art work based on aesthetics principles.

Topics: Introduction to Aesthetics; Basic Shape; Architecture Proportion and Composition; 2 Dimension (2D); MOTIFS; Texture in 2 Dimension Shapes; Texture in 3 Dimension Shapes; 3 DIMENSION (3D); 3 DIMENSION ELEMENT; 3D Techniques by Lisa Iwamoto and Sophie Vyzoviti; 3D Composition by Chernikov and Peter Eisenmann; Inspiration and concept in making 3d Artwork; Presentation and Conclusion.

ARCH6090 – ARCHITECTURAL GEOMETRY DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the concept of Architectural Geometry using Cartesian Geometry and beyond; Analyze new mathematical concepts applied in contemporary architectural design; Create architectural model using mathematical concepts.

Topics: Architectural Geometry; Generative Algorithms; Data sets and Math; Transformations; Parametric space; Data output for fabrication; Intersection; Projection; 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: Explain property appraisal in commercial building, purpose and process, Analyze data for appraisal process in commercial building. Analyze macro and micro aspect of commercial building.

Topics: Basic Principle for Commercial Buildings. Case Study: Commercial Buildings. Key Success Factors of Commercial Building.

ARCH6095 - ACOUSTICS AND LIGHTING DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Review basic acoustic design approaches, Evaluate architectural requirements in acoustic design, Explain lighting design strategies.

Topics: Introduction to acoustics design; Acoustics design approaches; Introduction to lighting design; Lighting design approaches.

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 buildings; Analyse the building performance using digital tools; Create measurable design concept and digital prototyping.

Topics: Digital models and sustainable design simulations; Building Performance Analysis; Adaptive Building; Parametric Design Algorithm; Environmental Data Driven Design; Digital Fabrication and Prototyping

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 Thingking.

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: Define e-business related terms; Explain e-business overview and its impact to business and society.

Topics: Overview of E-Commerce and E-Business, The Impact of The Internet for Macro Environment and Corporate Competencies, E-Marketplaces, Internet Consumer Retailing, Consumer Behavior, Market Research, and Advertisement, B2B E-Commerce, Other EC Models and Application, EC Strategy and Implementation, E-Supply Chain Management, E-Customer Relationship Management, Web 2.0 and Social Network, EC Security and Payment Systems, Moving from Wired EC to Mobile EC.

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: This course emphasizes a fundamental understanding of strategy and marketing of e-business concept and practice. The course offers students an international approach and a good balance between the technical and managerial topics of central importance to developing an understanding of e-business and e-commerce. By the end of this course, students are required to demonstrate an e-business strategy by utilizing website as a strategy.

Topics: Introduction to e-business and e-commerce, E-commerce fundamentals, E-business infrastructure, E-environment, E-business strategy, Supply chain management, E-procurement, E-environment, E-marketing, Customer relationship management, Change management, Analysis and design, Implementation and maintenance, Project e-Business Strategy Presentation.

BUSS6055 - PROFESSIONAL ETHICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of business ethics and professional ethics for accountans; Identify issues related to individual and organization ethics; Identify ethical dillema and behaviour of professional accountants; Describe the concept of ethics for various roles of accountant.

Topics: Ethics and Professional Ethics; Theories of Ethics; Ethical decision making & stakeholders impact analysis; Accounting and ethical environment; Code of ethics for Professional Accountants Part 1 : General Applications; Code of ethics for Professional Accountants Part 2 : in Public Practice (210 - 250); Code of ethics for Professional Accountants Part 2 : in Public Practice (260 - 291); Ethical dillema Case Study and discussion : Professional accountants in Public Practice Part 1; Ethical dillema Case Study and discussion : Professional accountants in Public Practice Part 2; Code of ethics for Professional Accountants Part 3 : in Business; Ethical dillema Case Study and discussion : Professional Accountants in business; Other related Code of ethics : Internal Auditor; Other related Code of ethics : State Auditor Code of Ethics.

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.

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, 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; 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 primary; Value the environment of the character; Design character education curriculum; Adopt character education in all subjects; Build a good corporation with parents and school.

Topics: Course Overview & Introduction to Character Education for Primary; The importance of Character Education; Make a good choice: Views, Values, or Virtues?; The Teaching Power of a School's Ethos; 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.

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: Identify the elements of research paper; Classify a research design; Select a data collection method; Write a complete thesis proposal.

Topics: What Is Research; How to Get Started; Structure of Research Paper I; Structure of Research Paper II; Structure of Research Paper III; Research Design; Experimental Research Design; Descriptive Literary Analysis; Case Study Design; Data Collection Instrument; Interview, observation; Text analysis; Proposal Presentation.

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 Cafetaria; 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; Zuotian 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: Give examples : Able to give examples of the vocabularies and grammatical points and which are listing in the text; Apply : Able to apply the new vocabularies and grammatical points into a paragraph or an article ; Distinguish : Able to distinguish the correct usage of grammar correctly; Discuss : Able to discuss about the culture which is mention in the text.

Topics: Talk It Over; Eat Grapes; Chinese Idiom Story; Love Story; Feeling Of Happiness; Improve Myself; Article Review; I See An UFO; It's Hard To Be A Good Person; Common Talk; Mid-term Test Review; Who Run A House; After Accident; Talk About "Slow Down"; Try Again; Write An Article; A Box Of Cake; Silent Crying; What's The Mos; Important Thing To You?; Final Test 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: Hair Cut; Mother's Heart; Online Education School; EQ; Which Color Do You Like?; Liang Shanbo and Zhu Yingtai; Four Seasons in Beijing; One Condition for Renting House; The "War" Between Me and Father; The Most Serious Express Courier; The Best Education; 1 Minute and 27 Seconds in Elevator; I Learned to be “Generous" in China; Angel's Pen; Biological Clock; Add a Little Salt into Coffee; Exercise; Final Review.

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 Kuaile 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: Basic knowledge about Chinese characters; Review 1; Basic Chinese Characters used in conversation; Basic Chinese Characters used in conversation and passage; Review 2; 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 pronounciation 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: Identify thesis's structure and research's paper writing methodology; Construct thesis's structure; Evaluate thesis's structure and research's paper writing methodology.

Topics: Introduction; Basic principle in Thesis's structure; Thesis's structure and Consulting your progress; Introduction: Backgorund and Rationale; Literature review; Methodology; Result, discussion and conclusion; Formatting of your thesis paper; 1st paper submission; Evaluation and feedback; Revising your thesis; Publication and ethics; Computer Programs for Writing and Other Good Sources; 2nd Paper Submission(penyerahan skripsi).

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, Lasha; Modern Cities: Hong Kong, Macau, Taipei; Travelling Around China: Lijiang Gucheng, Pingyao Gucheng, Wan Nan Gu Cunluo; Travelling Around China: Guilin Shanshui, Wulingyuan, Huanglong, Jiuzhaigou; Travelling Around China: Taishan, Songshan, Huangshan, Lushan, Wuyi, Wudang; Travelling Around China: Wutai shan, Emei shan, Leshan Dafo, Putuo shan, Jiuhua shan; Review 8-12.

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: Zhonghua Wenming de Qiyuan Guojia de Chansheng he Shehui de Biange; Dayitong De Qin Han Diguo; Zhengquan Fenli Yu Minzu Huiju; Fanrong Yu Kaifang De Shehui; Duo Yuan Wenhua Pengzhuang Jiaorong Yu Shehui Jingji Gaodu Fazhan; Ming Qing Di Guo De Fansheng Yu Jindai Qianye De Weiji.

CHIN6034 – INTONATION AND PRONUNCIATION TEACHING (2 Credits)

Learning Outcomes: After finishing this course, student will be able to: Recognize the tones, finals, Initials in Chinese and International Phonetics Alphabet; Express a good pronounciation in different situations with clear ,natural pronounciation and intonation; Classify Various Phonetics sound accroding to Chinese Pronounciation

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 0f "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.

CHIN6063 – CHINESE LANGUAGE II (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.

CHIN6064 – CHINESE LANGUAGE III (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply chinese language according to the picture given by using pinyin; Arrange the sentences by using Chinese Character given; Speak about the topic given by Chinese Language.

Topics: Phone number; Internet; Comfortable; Salary; Booking a Ticket; Dialogue; End Term Review.

CHIN7039 – BUSINESS CORRESPONDENCE (2 Credits)

Learning Outcomes: By the end of this course, students will be able to: Demonstrate Business writing and correspondences in Chinese; Distinguish Business letters and its functions; Compose Business letters.

Topics: Business chart's writings 1; Business chart's writings 2; Business notice, invitation and employment's letter; Informal note, announcement and notification; Price quotation; Business relationship's correspondence 1; Review topics session 1-6; Business relationship's correspondence 2; Application letter; Etiquette correspondence; Instruction and advertisement; Business report; Review topics session 8-11.

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; windows; Microsoft word 2007; Microsoft excel 2007; Microsoft Power point 2007.

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 Casuality; 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.

CHIN7076 - BUSINESS NEGOTIATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain chinese business words and terms; Apply Chinese business words and terms in conversation and negotiation; Demonstrate Chinese business conversation and negotiation.

Topics: Visiting the factory; Meeting; Interested on your new product; Asking price list; When is the product delivery?; The payment method; The packaging; The sole agency; When the contract is signed?; Paying 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.

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.

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.

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; Demonstrate The strategies in Chinese teaching correctly.

Topics: Definition Chinese language teaching method & phonics theory and teaching strategies; Vocabulary theory and teaching strategies; Watching phonics and vocabulary teaching strategies; Practicing phonics and vocabulary teaching strategies; Grammar theory and Chinese character theory teaching strategies; Watching grammar teaching demonstration; Practice grammar and Chinese character teaching strategies; Listening and speaking teaching strategies; Watching listening and speaking demonstration; Reading and writing teaching strategies; Practice Reading and writing teaching strategies; Making examination strategies and Practice Teaching; Practice Teaching II.

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: summaries 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: Discuss about marriage; Chinese family culture; Spent money methods; Charging; Accept the situation; Stop smoking & drinking; Evaluation; How to take a rest; Who I must listened.

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.

CHIN6089 - CHINESE LANGUAGE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Write basic Chinese character; Recognize Chinese vocabularies; Demonstrate conversation by using basic travelling in China vocabularies.

Topics: Chinese Pinyin; Meeting for the First Time; Self-Introduction; About Time; How to say it in Chinese; Review 1; Inviting Someone to Dinner; Mid Term Review; Discussing Time; Review 2; About Weather; Review 3; A Day's Plan; Bank Currency; End Term Review.

CHIN6090 – CHINESE LANGUAGE II (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 Food; Meeting acquaintances; My Family; About Numbers; Review 1; Getting lost; Attending a conference or ceremony; Discussing places; Review 2; Food; Review 3; Travel arrangements; Vehicles.

CHIN6091 - CHINESE LANGUAGE III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Translate vocabularies or simple sentences into Chinese or Indonesia; Rearrange the sentences; Express the topics given by little drama.

Topic: Meeting Attendants; The Office; About Price; Feeling Ill; Seeing Exhibition; Discussing Conference; Quality of Service; Review; Conference Arrangements; Review End Term; Shopping; Titles.

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: China's Rise Trends Study in China (Chapter 1); Customer Insight and Market Analysis; Business Model Environment; New Trends in the Development of Food and Beverage Industry (Chapter 2); TV Dating Show Social Responsibilities (Chapter 4); Product and Service Development; Love and Marriage Inequality (Chapter 8); Survey of Chinese Students Consumption (Chapter 9); Prototyping Product; The Marriage of Celebrity (Chapter 11); Evaluation; Final review; Foreigners Celebrate the Chinese New Year (Chapter 12).

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.

CHIN8098 - CONTEMPORARY CHINA STUDIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the contemporary ideology of China; Identify the contemporary historical background of China; Identify the role of contemporary Chinese leadership in modern China development.

Topics: Introduction; Mao Zedong Era (1949-1976); The Transition Era After Mao (1976-1978); Mid Review; Deng Xiaoping and The Reformation: (1978-1997); China After-Tian'anmen; Xi Jinping and Chinese Dream; The Capita Selecta of China After Reformation; Final Review.

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.

CHIN6105 - BASIC COMPREHENSIVE CHINESE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Review Chinese Pinyin system and writing rules independently; Use the new vocabularies in a simple phrase; Construct a simple sentence according to grammatical point.

Topics: How do you do?; Are you busy?; Which country does she come from?; Nice to meet you!; Where is the dining hall?; Let's go swimming, shall we?; Discussion 1; Do you know him?; How many people are there in your family?; He is 20 years old this year; I am here to buy a CD; Discussion 2; I can speak a little Chinese; I am not feeling well at all; I knew a beautiful girl; Merry Christmas to you.

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.

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: Compile a scientific writing as a final project in civil engineering in the form of application of theories, principles, technique and the methods of civil engineering and in a title agreed by thesis coordinator.

Topics: According to the topic of the thesis.

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 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 are, 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; Describe water quality in relation to urban drainage; Describe functions, inputs, and outputs of urban drainage system; Describe an overview of drainage design considerations and processes; Analyse 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 and choose the surveying equipments; Calculate the matters relating to surveying engineering and its application in civil engineering; Design and apply the drawing and diagram of situation mapping.

Topics: Introduction; Land Surveying Equipments; Measurement of Distance and Angle; Coordinate Calculation; Height Measurement; Area Measurement; 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 and water surface profiles for various flow configurations, Apply the energy equation to hydraulic structure (flumes, weirs, spillway, control gate).

Topics: Hydrostatics, Principles of Fluid Flow, Dynamic of Fluid Flow, Closed Conduit, Open Channel, 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: Introduction; Hydrologic Processes; Atmospheric Water; Subsurface Water; Surface 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 and recycle materials; Design the road pavement and drainage; Explain the road maintenance.

Topics: Introduction to Highway Engineering; Geometric Design; Road Making Materials; Pavement Analysis and Design; Road Maintenance and drainage.

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; Describe about 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 ; Water Waste Water Treatment; Hazardous Waste Treatment; Air Pollution; Noise Pollution; Solid Waste and Management; 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.

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; 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.

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 with MKJI; 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; Stone; Metal; Applying natural building 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: Classify the type, process, characteristic and installing techniques of various artificial building material; Describe the strenght and weakness of artificial building material in interior and furniture; Apply the artificial material which is appropriate for interior and furniture projects.

Topics: Knowledge of Building Material II - Introduction; History of glass; Glass for interior; Ceramic for Interior Design; Sanitair; Plastic for interior and furniture; wall paints, wall paints for interior; Decorative Paintings in Interior; Upholstery for Interior and Furniture; Material Scheme and mood board.

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 Desig; 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: show the relationship between the conception of construction management in construction projects; esimate a cash flow accordance to time schedule and payment contract; estimate the logistic necessity, how to control and use it; understand how to estimate cost for construction project.

Topics: Construction management, construction project, Project Scope, Procurement of construction services, Strategy contract and legal aspect, budget plan, engineering construction project schedulling, Lengt trade off, resources schedulling, control project execution.

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; Design the reinforcement of concrete slab, column, and 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 Splicing; 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 construction method in a civil engineering project, descibe method for earthwork project include excavation, describe method for deep and shallow foundation project, explain construction method for reinforced concrete project, expalin construction method for basement construction project, apply heavy equipment in construction project.

Topics: Introduction to construction method, planning for earthwork construction, heavy equipment for earthwork construction, concrete equipment, basement construction method.

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.

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 ; 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.

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).

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.

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 success 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.

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.

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.

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.

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.

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.

CMDV6205 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN MOBILE APPLICATION AND TECHNOLOGY COMMUNITY (3 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.

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.

CMDV6207 – EMPLOYABILITY AND ENTREPRENEURIAL SKILLS IN ACCOUNTING AND FINANCE COMMUNITY (1 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.

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.

SUBJECT AREA: COMM

COMM6009 – INTRODUCTION TO POLITICAL SCIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the various concepts, theories and political phenomena; Analyze a variety of political phenomena with concepts and theories; Explain basic principles for the development of political science in the next life; Apply political science in the national and state life.

Topics: Introduction: Definition and Development of Political Science; Basic Concepts in Political Science; Nation and State; Government and Governmental; Political Ideology in the World; Democracy; Trias Politica; Human Rights and Constitution; The Party and Political Party System; General Election; Political Participation; Media and Politics; Globalization and Intenational Politics.

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, Challengge, 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 COMUNICATIONS (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; Cencorship and Privacy; Agitation and Propaganda in public opinion; Public Relationd as Managing Public Opinion; The Role of Public Relations in Forming Public Opinion; Public Opinion as Political Communication strategi; 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.

COMM6078 – RADIO AND TELEVISION SCRIPT WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the importance of the text in the production of television and radio, as well as the characteristics of a good script for a television or radio; Explain hardnews and softnews writing for radio and television; Create hardnews and softnews writing, both for radio and television; Explain scripts for a non-news and advertising, drama and non-drama script for radio and television; Create scripts for a non-news and advertising, drama and non-drama script for radio and television; Propose the potential showcase business project.

Topics: Characteristics Script Television and Radio; Writing Radio; Hardnews; Customer Insight and Market Analysis; Writing Radio; Softnews & Business Environment; Characteristics Script for Television; Characteristics Script for Television 2 & Product / Service Developmen; Writing Television; Hardnews; Writing Radio; Non News 1; Writing Radio; Advertising & Design Process; Writing Television; softnews & Prototyping Product; Writing Television; Drama; Writing Television; Non Drama & Evaluating Product/ Services; Writing Television; Advertising.

COMM6079 – 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.

COMM6080 – BROADCASTING IN PROFESIONAL 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., AII Journal entries submitted as one document in binder.

COMM6081 – INTRODUCTION TO JOURNALISM AND BROADCASTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify and define concepts related to journalism and broadcasting; Classify and explain the differences between press and journalism, as a field of activity in mass media industry, including the news and non-news categories; Distinguish and explain the functions and tasks of journalism and broadcasting; Breakdown of function and task of journalism and broadcast.

Topics: Press and Journalism; Journalism and Independences; Engagement and Relevance; Experiments with New Storytelling Techniques; Mass Media Organization: Electronic and Internet; The Journalist and The Law; Elements in Broadcasting; Broadcast Skills; The Characteristics Broadcasting and Journalism; TV News Sources and Format; The Journalist and Conscience; Profesional Journalism and Citizens Journalism; ITE and P3SPS.

COMM6083 – BROADCASTING RULE & ETHICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define and identify the principle rules and ethics in broadcasting; Explain and describe the development of broadcasting system in the world, including the controversial issues of broadcasting system in Indonesia; Apply and demonstrate the three pillars of broadcasting system and the rules and ethics in broadcasting; Breakdown of broadcasting law and rules.

Topics: What are Ethics?; Morality of Reporting; News: Toward Definition; The Good Journalist/Broadcaster; Privacy and Intrusion; Gathering The News; Broadcasting System; Broadcasting and Public Sphere; Three Pillars of Broadcasting System; Controversy of Broadcasting System in Indonesia; Controversy and Compromising System; Indonesian Broadcasting; Broadcasting Law.

COMM6084 – PRODUCER, PROGRAM AND MANAGEMENT OF BROADCASTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain producer and program in the broadcasting, Analyze the news management program from producer; Analyze the artistic management program from producer; Produce a proposal of broadcasting program.

Topics: Introduction producer program; Program broadcasting; Audience understanding; Newsroom relationship; Story idea and rundown; Writing for producer; Live reporting and control room; Producing news, talk show and music on radio; Break down the idea on artistic program; Budget program; Breakdown the script and storyboard; Production producer role; Post production producer role.

COMM6085 – INTERVIEW & REPORTAGE TECHNIQUE (2/2 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: Explain the concept of interview, the technique of interview, reportage, and the technique of reportage; Explain the concept of announcer, presenter and the technique of announcer; Produce interview broadcasting program; Produce reportage broadcasting program.

Topics : Introduction interview technique; Source of Interview; Interview style; Strategy interview; Understanding reportage; Script-writing for reportage; Reportage for radio; Reportage for television; Understanding announcer or newscaster; Script-writing for announcer or newscaster; Announcer for radio; Newscaster for television; Live report.

COMM6086 – RADIO AND TELEVISION EDITING (2/2 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: Explain the concept and principles of editing; Explain the technique of editing audio and video; Produce a simple edited audio broadcasting; Produce a simple edited video broadcasting.

Topics : Introduction editing; Basic and multi track audio editing; Create, recording audio; Sound effect and design; Editing for radio program; Editing for television program; Basic editing video; Editing, mixing and sweetening audio; Color and lighting correction; Bumper and template; Using transition; Special effect; Ethics in editing.

COMM6087 - WRITING TECHNIQUES IN COMMUNICATION CONTEXT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Classify the writing techniques in communication context; Identify the right news values in writing an article in communication context; Produce an article with related issues in communication context.

Topics: Where to Begin (The First 100 Words); Makes Interesting Story; Find an Original Idea; Strong Angles and Focused Ideas; Digging Deep for Original Stories; Conduct Great Interviews; Conduct Great Interviews2; Writing Nonfiction Narratives; Writing Nonfiction Narratives2; Writing About Trends and Issues; Writing About Trends and Issues2; Checklist before you Hit the SEND Button; Carrers in Magazine Publishing.

COMM6089 – PHOTOGRAPHY FOR JOURNALISTIC AND DIGITAL JOURNALISM (4 Credits)

Learning Outcomes: After completion of this subject, students will be able to Explain the history and technique of photography; Apply the technique of photography and digital journalism; Operate software for photography and digital journalism; Execute publication for photographic works.

Topics: Introduction to Photography; Customer Insight and Market Analysis; Digital Journalism and Photography; Business Environment; Technique of Photography; Product/ Service Development; Apply Technique of Photography 1; Apply Technique of Photography 2; Apply Technique of Photography 3; Apply Technique of Photography 4; Introduction to Editing Software for Photography; Prototyping Product; Design Process; Evaluate Product/ Services Prototype; Editing for photography 1; Editing for photography 2; Publishing; Result and Evaluation.

COMM6090 - DIGITAL JOURNALISM 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.

COMM6091 - JOURNALISM IN A GLOBALIZING WORLD AND WRITING FOR CULTURAL ISSUE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify The ethic on writing news story; Categorize The news values; Criticize The ethic problem on news story .

Topics: What is Ethic?; Cross-National Ethic; Ethic on Digital Media; Big Enemy of Ethic; Ethic on News Writing 1; Ethic on News Writing 2; News Values; Digital Ethic and Media; Cultural Relativism; News Writing in General; News Writing for Cultural issue 1; News Writing for Cultural issue 2; News Writing for Cultural issue 3.

COMM6093 - **DIGITAL JOURNALISM 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.

COMM6095 - JOURNALISTIC RULE & ETHICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the ethical issues and decision for journalist; Identify the roles of Media in society; Apply journalism ethics in news content.

Topics: Why Ethics Matters in Jornalism; Ethics: The Bedrock of a Society; The News Media's Role in Society; For Journalist, a Clash of Moral Duties; The Public and the Media: Love and Hate; Using a Code of Ethics as a Decision Tool; Making Moral Decisions You Can Defend; Stolen Words, Invented Facts or Worse; Conflicts of Interest: Divided Loyalties; Getting the Story Right and Being Fair; Ethics Issues Specific to Web Journalism; Ethics Issues Specific to Visual Journalism; Ethics in the Changing Media Environment.

COMM6096 – MEDIA INTERVIEW TECHNIQUE (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Give examples of organizations in the development of the press in Indonesia; Select of sources within a media interview and make a list of the right questions to the speakers; Explain the different styles of interviews, both print, radio, television and online; Explain the reasons why investigative interviewing techniques needed in the media; Explain mapping for the results interview; Explain the journalistic code of ethics and broadcasting regulation in interview techniques.

Topics: Industrial Development Press; Press Organization; Selection of Sources; About Resources and Materials Research Questions; Interview Techniques News Purposes; Face-to-Face Interview Techniques; Interview Techniques intercepted; Exclusive Interview Techniques; Investigative Interview Techniques; Constraints Conducting Interviews; Results of Interviews; Need for Conducting Interviews; Code of Ethics of Journalism and Broadcasting Regulation in the interview.

COMM6097 - **SPEAKING IN PUBLIC (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Explain the public speaking steps and concepts, based on communication and the rapid changes of situations; Apply the application of public speaking steps and concepts in their everyday activities; Analyze the important role of audience, society, culture, and other forms to the credibility as a speaker.

Topics: Understanding Speaking; Listening; The Ethics of Speaking; Overcome The Fear; Planning, Selection and Analysis; Audience Analysis; Research Strategy; Transforming Ideas into Speech Points; Organizing and Outlining; Introductions and Conclusions; Language and Styles; Attention and Interest; Credibility.

COMM6098 - **HUMAN RELATIONS IN COMMUNICATION CONTEXT (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Identify the advantages of studying interpersonal communication for personal and professional life; Define the basic concepts of interpersonal communication; Review the application of interpersonal communication concepts in their daily life; Apply the interpersonal communication concepts in their own communication.

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.

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; Formulate appropriate strategies in cultural settings.

Topics: Why Studying Intercultural Communication?; Culture, Communication, Context and Power; Cultural Identity; Perception; Differing Cultural Pattern; Language and Intercultural Communication; Nonverbal Communication; Intercultural Communication in Business Setting; Intercultural Communication in Educational Setting; Intercultural Management, Negotiation and Conflict; Communication Theories related to Intercultural Communication; Cultural Adaptation, Assimilation, Acculturation and Cultural Shock; Intercultural Communication Competence.

COMM6100 - **INTRODUCTION TO COMMUNICATION SCIENCE (4 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic of communication; Review the application of basic communication in their everyday activities; Practice the basic of communication in systematically way.

Topics: Introduction – Communication Begin!; The Communication Arena; The Evolution of Communication; Fundaments of Human Communications; Reception of Information; Language in Verbal Messages ; Meanings in Non Verbal Messages; The Media; The Individual; Communication and Relationships; Communication and Organizations; The Global Villages; Public and Mass Communication.

COMM6102 – THESIS OF MARKETING PUBLIC RELATIONS (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.

COMM6103 - INTERCULTURAL COMMUNICATION AND SERVICE EXCELLENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the importance of intercultural communication in today's global world especially for tourism industry; Define causes of intercultural conflict, adapt to unfamiliar cultures and contribute to greater cooperation; Demonstrate knowledge of customer service technique in dealing with the public and custome in tourism industry.

Topics: Why study Intercultural Communication?; Three Approaches to Studying Intercultural Communication; Culture, Context, and Power; Communication, Context, and Power; Identity and Intercultural Processes; Language

and Intercultural; Nonverbal Codes and Cultural Space; Nonverbal Communication Skills; Popular Culture and Intercultural Communication; Pop Culture Project; Presentation and Discussion related to the project Pop Culture Project; The Customer Service Profession; Service Culture; Customers' Roles in Service Delivery; Consumer Behavior In Services; Projecting a Powerful Image; Listening to the Customer; How to Listen; Verbal communication; service recovery; Customer Loyalty; Customer Service in a Diverse World; Role Playing; Discussion and Presentation.

COMM6104 – THESIS (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; **a**pply 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.

COMM6106 – SOCIOLOGY AND ANTHROPOLOGY IN COMMUNICATION CONTEXT (2 Credits)

Learning Outcomes : On successful completion of this Course, students will be able to : Identify concepts in communication, sociology and anthropology; Integrate concepts in sociology, and in anthropology with communication issues; Apply concepts of sociology, and anthropology to various socio cultural phenomenon in communication.

Topics: Basical Elements of Communication; Introduction to Sociology and Anthropology; Social and Cultural Change; Globalisation Issues.

COMM6109 – MARKETING PUBLIC RELATIONS WRITING (2/2 Credits)

Learning Outcomes: By the end of this course, students will be able to: Explain various MPR Writing uses and forms; Construct basic MPR releases; Analyze writing needs in MPR context; Compose sophisticated MPR Writing; Propose the potential showcase business project.

Topics: PR Goes Digital; News Releases, Photo Captions and Media Kits; The Pitch: Creating Media Interest; Biography and Background & Customer Insight and Market Analysis; Speech Writing; Multimedia and PowerPoin; Presentations & Business Environment; Writing for Special Events; Financial Writing & Product/ Service Development; Publications & Prototyping Product; Writing for the Internet; Responsive Writing & Design Process; Crisis Communications and Official Statements; Campaign Writing & Evaluate Product/ Services Prototype.

COMM6110 – MARKETING PUBLIC RELATIONS 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.

COMM6111 – DIGITAL MARKETING PUBLIC RELATIONS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain changes in communication and its implications for public relations; Construct digital marketing PR strategy; Examine digital marketing PR tools and components; Compose a digital marketing PR campaign.

Topics: Digital Media in PR (1); Digital Media in PR (2); Social Media in PR (1); Social Media in PR (2); Social media for engagement; Content creation and management (1); Content creation and management (2); Content creation and management (3); Evaluation and Measurement (1); Evaluation and Measurement (2); Digital MPR campaign (1); Digital MPR campaign (2); Digital MPR campaign (3).

COMM6112 – MARKETING PUBLIC RELATIONS IN PROFESSIONAL PRACTICE (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.

COMM6114 – INTRODUCTION TO MARKETING AND NEGOTIATION TECHNIQUE IN MPR CONTEXT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify context of PR in Marketing; Describe negotiation strategy and techniques; Analyze negotiation planning process in MPR context; Construct negotiation strategy and tactics to be implemented in MPR activities.

Topics: Introduction to Marketing; Markets: Segmentation, Targeting, and Positioning; The Role of PR in Marketing; Business Buying Behavior; The Nature of Negotiation; Negotiation Strategy and Planning; Effective Negotiating Techniques; Negotiation Ethics; Perception, Cognition, and Communication; Relationships in Negotiation; Multiparty Negotiations; Cross Cultural Negotiation; Public Opinion and Persuasion.

COMM6115 – MARKETING PUBLIC RELATIONS ETHICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the ethics, rights and responsibilities; Analyze the application of ethics in Marketing Public Relations field; Explain the corporate ethics program; Solve the ethical cases in Marketing Public Relations area.

Topics: Introduction of Philosophy and Ethics; Rights and Responsibilities; The Differences between Ethics and Etiquette; Marketing Public Relations Ethics Codes; Conflict of Interest and Practitioner's Dilemma; MPR Ethics and The Traditional Media; MPR Ethics and The New Media; Ethics in MPR Consultancy; MPR Practitioners as Ethical Decision-Makers; MPR and The Corporate Ethics Program; MPR Ethics in Advertising; MPR Ethics in Customer Relations; MPR Ethics in Supplier and Partner Relations.

COMM6116 – CUSTOMER RELATIONSHIP MANAGEMENT AND MEDIA PLANNING IN MPR CONTEXT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define conceptual foundation of customer relationship management (CRM), the media planning and media relations; Describe analytical customer relationship management (CRM) tools and media relations activities in Marketing Public Relations; Explain strategic customer relationship management (CRM) and media planning steps; Manage operational customer relationship management (CRM) and appropriate media to corporate activity.

Topics: Introduction to Customer Relationship Management in MPR Context; Understanding Relationship; Customer Retention and Development; How to Deliver Customer experienced value; Managing Customer Experience; Planning to succeed; Implementing CRM; Introduction to Media Relations in MPR Context; Media Relations Campaigns; Media Releases and Media Kits; Media Conferences and Other Media Events; Working with Print, Broadcast, Internet and Social Media; How: Winning the Interview.

COMM6117 – MARKETING COMMUNICATION PROGRAM AND EVENT MANAGEMENT (2/2 Credits)

Learning Outcomes: By the end of this course, students will be able to: define the relationship between marketing communication and event management; analyse event problem; create the effective event planning to obtain company's objectives; Recommend the availability of resources, such as : of staffing, vendor, technology equipment, safety, security, logistics, staging and contractual negotiation for running an event marketing.

Topics: Introduction to Event Management; Introduction to Elements of Event Management; Function of a Event Organizer; Assessing Clients Needs; Targeting, Positioning and Branding; Coordinating concept and proposal with the Design Department; Promotional Strategy; Event Process Flow; Event Logistic; Site Inspection; Planning the Event Execution; Legal Knowledge; Preparing Work Plans, Checklist, cue Sheets etc.; Understanding Contracts; Sponsorship/Fun Raising/Partnership; Staffing.

COMM6118 – CORPORATE PR WRITING AND ADVERTORIAL IN A GLOBAL SECTOR (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Classify the concept of corporate public relations writing and advertorial in global sector; Choose the appropriate corporate public relations writing and advertorial in various environment; Distinguish ethical factor in corporate public relations and advertorial; Evaluate criteria for effective corporate public relations writing and advertorial.

Topics: Principles of Effective Writing; Ethical writing and persuasion; Writing for media; Writing for organizational media; Speechwriting; Biographical narrative; Public Relations Advertising and Advertorial; Writing for the Internet; Financial Writing; Corporate report; Writing in crisis; Policy brief; Campaign writing.

COMM6119 – COMMUNICATIONS IN CRISIS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the business model and explain the defined business model; Interpret Effective Communication Strategy in Organizational Crisis; Analyze Effective Communication Strategy in Organizational Crisis; Generate Effective Communication Strategy in Organizational Crisis.

Topics: Crisis Management Knowledge and Effect; Market Segmentation – Persona; Ideation; Crisis Management and Crisis Prevention Process; Visual Thinking; Crisis Preparation (1); Crisis Preparation (2); Prototyping the Business; Story Telling; Scenarios in Business; Crisis Recognition; Crisis Response; Postcrisis Concerns.

COMM6120 – CORPORATE PUBLIC RELATIONS 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.

COMM6121 – STRATEGIC CORPORATE COMMUNICATION AND MEDIA CAMPAIGN IN A GLOBAL WORLD (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct the business plan and evaluate the business model; Explain Strategic Corporate Communication and Media Campaign in Global World; Evaluate Effective Strategic Corporate Communication and Media Campaign in Global World; Design Strategic Corporate Communication and Media Campaign in Global World.

Topics: Corporate Communication in Contemporary Organizations; Customer Profile; The Next 10 Customer; Corporate Identity, Branding, & Corporate Reputation; High level Specs Product/Service Specification; Stakeholder management and employee relations; Leadership, change communication and CSR; Quantify Value Proposition; Chart Competitive Position; Traditional and digital relations; Design Business Model; Issues management and crisis communication; Corporate Communication in Practice.

COMM6122 – CORPORATE PUBLIC RELATIONS 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.

COMM6123 – CORPORATE RELATIONSHIP MANAGEMENT AND MEDIA PLANNING IN CPR CONTEXT (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define Basic Principles of Corporate relationship management, the media planning and media relations in CPR Context; Describe analytical Corporate relationship management tools and media relations activities in Corporate Public Relations; Explain Strategy of Corporate relationship management and media planning steps; Create operational Corporate relationship management and appropriate media to corporate activity.

Topics: Basic Principles of Corporate Relationship Management in CPR Context; Theoretical Perspectives of Corporate Relationship Management; Analysis of Corporate Relationship Management; Goals of Client Value and Client Selection; Strategies of Corporate Relationship Management; Instruments of Corporate Relationship

Management; Internal Implementation of Corporate Relationship Management; Organizational Issues and Corporate Relationship Management; Introduction to Media Relations in CPR Context; Media Relations Campaigns; Media Releases and Media Kits; Media Conferences and Other Media Events; Working with Print, Broadcast, Internet and Social Media.

COMM6124 - PUBLIC RELATIONS MANAGEMENT AND REPUTATION MANAGEMENT IN CPR CONTEXT (2 Credits)

Learning Outcomes : On successful completion of this course, students will be able to: Define and Identify the basic concepts of PR Management and Reputation Management in CPR Context; Explain and Discuss observing the application of PR Management and Reputation Management in CPR Context; Demonstrate and Interpret every element and concept of PR Management and Reputation Management in CPR Context; Analyse and Criticize readiness to deal with the principles and the central ideas of Public Relations Management and Reputation Management in CPR Context.

Topics: Basic Concept of PR Management and Reputation Management in CPR Context; Approaching Corporate Reputation Management; Ethics and Communication in Corporate Reputation; Internal Relation in Corporate Reputation Management; External Relation in Corporate Reputation Management; Media Relations in Corporate Reputation Management; New Media in Corporate Reputation Management; Issues Management in Corporate Reputation Management; Crisis Communication in Corporate Reputation Management; Corporate Responsibility in Corporate Reputation Management; Measuring and Impacts Corporate Reputation Management; Corporate Reputation Management in Practice; Future Trends of Corporate Reputation Management.

COMM6125 – POLITICAL BRANDING, CULTURE AND POWER OF ORGANIZATION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the principle and the application of Political Branding, Culture and Power in Organization; Classify elements and concepts of Political and Communication Branding Strategy; Design Campaign for Political and Communication Branding Strategy.

Topics: Introduction of Political Marketing; Political Strategy; Political Branding (1); Political Branding (2); Internal Political Marketing; Marketing Communication of Candidate; Relational and Interactive Political Marketing Communication; Political Delivery Marketing; Political Marketing and Democracy; Political Market Research (Quantitative); Campaign Presentation.

COMM6126 – CURRENT ISSUES IN BUSINESS COMMUNICATIONS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain current trends, issues and developments in business communication; Contrast cultural challenges and diversities of business communication; Discuss arising business communication issues and problems; Analyze business communication potentials related to technology; Assess new trends in business communication through case study.

Topics: Current Issues in Business Communication I; 1st paper submission; Current Issues in Business Communication II; 2nd paper submission.

COMM6127 - CORPORATE PUBLIC RELATIONS ETHICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the basic concepts of Ethics in professional life; Explain observing the application of Ethics in Corporate Public Relations Context; Demonstrate every element, concept and situation of Ethics in Corporate Public Relations Context; Analyze the principles and the functions of Ethics in Corporate Public Relations Context.

Topics: Understanding Ethics; Ethics and Globalization; Ethics and Propaganda; Ethics and Corporate Culture; Ethics and Corporate Governance; Ethics and The Practitioner; Code of Ethics in Corporate Public Relations; CPR

Ethics and Internal Relations; CPR Ethics and Media Relations; CPR Ethics and Social Media Relations; CPR Ethics and Government Relations; CPR Ethics and Investor Relations; CPR Ethics and Corporate Responsibility Relations

COMM6129 - ORGANIZATIONAL COMMUNICATION (4 Credits)

Learning Outcomes: On 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

COMM6130 - PROFESSIONAL IMAGE AND ACTING (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to:Identify the basic concepts of professional image and acting; Demonstrate observing the application of professional image and acting concepts in their everyday activities; Apply every element and concept of professional image and acting in a communication world; Demonstrate readiness to deal with the principles and the central ideas of important concepts in the professional image and acting based on communication disciplines.

Topics: Impressive Communication; The Great Presentation; Professional Communication; Ethics and Ethical Communication; The Conflict; The Rapid World; The Power of Employees; Globalization and Society; The World of Diversity; Teams and Groups; The Power of Stakeholders; The Interview; Persuasive - Persuasion.

COMM6131 – 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.

COMM6132 – NEWS PRODUCTION IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain students able to explain hard news program; Produce students able to produce hard news program; Explain students able to explain soft news program; Produce students able to 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.

COMM6134 – MAGAZINE PRODUCTION IN INDUSTRY (2 Credits)

Learning Outcomes: At the end of this course student will be able to develo 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.

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.

COMM6137 - THESIS/PROJECT OF 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 structure2; literature and results, presentations, first thesis draft, thesis draft returned and discussed, revised draft, presentations, presentations, presentations.

COMM6138 – REPUTATION MANAGEMENT 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.

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 Communcations 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.

COMM6143 - WRITING SKILLS 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.

COMM6144 - APPLIED DIGITAL MEDIA 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.

COMM6145 - NEWS RESEARCH 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.

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.

COMM6147 - THESIS OF DIGITAL JOURNALISM (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.

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.

COMM6150 – INTEGRATED MARKETING COMMUNICATIONS AND CONSUMER BEHAVIOR IN MPR CONTEXT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the Concept of IMC and Consumer Behaviour; Describe IMC and consumer behaviour analysis the successful MPR Strategy; Classify the type of IMC and Consumer Behaviour; Discuss The Role and tools of IMC and Consumer Behaviour.

Topics: The Role of IMC in MPR; Advertising: Role, forms and Strategy; Public Relations; Sponsorship; Direct marketing and Personal Selling; Sales Promotion, and Brand Experience; Brand Placement, Exhibition; Technology Driven Consumer Behaviour; Segmentation, Targeting, and Positioning; Persuading Consumer Behavior; Consumer Learning; Cross Culture Consumer Behaviour; Consumer Decision Making and Diffusion of Inovation.

COMM6151 – ADVERTISING AND BRANDING FOR MARKETING PUBLIC RELATIONS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define The Concept of Advertising and Branding For MPR Contex; Construct Advertising and Branding Campaign; Create Strategies to Build Brand Equity; Practice Advertising and Branding Campaigns to achieve the Company goals; Construct the business plan and evaluate the business model.

Topics: Introduction Advertising and Promotion; Advertising Models and Strategy; Advertising Role in Brand Marketing; Forming an effective advertising campaign; The Craft of Advertising Copywriting; Advertising and Ethics; Brands and Brand Management; Customer Based Brand Equity and Brand Positioning; Designing and Implementing Brand Architectures Strategies; Introducing and Naming New Products and Brand Extension; Managing Brands Over Geographic's Boundaries and Market Segments; Leveraging Secondary Brand Associations to Build Brand Equity; Measuring sources of Brand Equity, Capturing Customer Mind-Set.

COMM6152 – MARKETING PUBLIC RELATIONS CAMPAIGN IN INDUSTRY (2 Credits)

Learning Outcomes: By The End of this course, students will be able to : Manage the usage of planning in MPR campaign in industry; Usage the role of PR in MPR Campaign in industry: Analyze the strategy MPR campaign in an organization; Create the relationship management marketing Public Relations Campaign in industry and public relations role.

Topics: Campaign Definition; Campaign Goals; Campaign Planning; Audience analyse; PR Campaign in PR Context; PR Role in MPR Campaign in industry; PEST and SWOT Analysis; Setting goals; Recognizing the public and the message; To establish acceptance; Monitoring MPR in industry campaign; strategy and tactics; Evaluation and review.

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.

COMM6160 - PUBLIC SPEAKING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of public speaking, master public speaking skills and apply them in the classroom settings

Topics: Theories of Public Speaking, Speaking and Communication, The Role of Public Speaking in Classroom Management, Personality Traits, Does Appearance Count?, Communication Skills and Leadership

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.

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.

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.

COMM8101 – PHILOSOPHY OF COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify Students are able to understand the various concepts, theories and aspects of philosophy through a number of theorist's ideas; Analyze Students are able to analyze the dynamics of the act of communication in different facets of framework; Criticize The students are able to be critical on the media applications of communication technologies.

Topics: Introduction; The structure of communication; The life of signs; Discourse and power; Culture and communication; Deconstruction of communication; Communication as hermeneutics; Language as a form of life; Speech act art; Theory of conversation; Intentionality of speech acts; Communication and social theory; Language and social semiotics.

COMM8107 – SOCIOLOGY OF COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of sociological of communication; Explain the Conflict, Competition, Cooperation, and negotiation in sociological theory of communication; Explain sociological communication in new perspective and empirical theories; Analyze capable to analyze of university, law, professional, and government relations in Conflict, Competition and Cooperation social frame.

Topics: Introduction: Paradigm, Interpenetration, and The Program of Studies; Towards a Sociological Theory of Communication (1); Towards a Sociological Theory of Communication (2); The Perspective of Social System Theory; Communication and Communication System; The Evolutionary Perspective; The Non-Linear Dynamics of Sociological Reflect; Conflict, Competition, Cooperation in the Sociology of Development and Social Transformations; Competition, Conflict and Cooperation, and the Naturalization of Social Difference in Sport; Rethinking the Sociology of Childhood: Conflict, Competition and Cooperation in Children's Lives; Communication Process in Society; Social Change and Mass Culture; The Dynamics of Local-Global Relations: Conflict and Development.

COMM8108 – PSYCHOLOGY OF COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Understand definition and studies area of Psychology of Communication focuses Media Study; Explain Understand the psychological effects of media including pro-social effect, pornography and erotica, advertising young-children and adolescence media; Explain Understand the Psychology in the Media, its audience, and Research Methods. adolescence media.

Topics: Introduction: introducing ourselves, roles in class, definition and area studies of Psychology of Communication related to psychology media; The Effects of Media Violence; Prosocial Effects of Media; Pornography and Erotica; Advertising; Young Children Television and Adolescence Media; Representation of Social Groups; The Psychology of The Media Audience; News and Current Affairs; Audience Participation and Reality; The Internet; Psychology in The Media; Research Methods in Media Psychology.

SUBJECT AREA: COMP

COMP5050 – INTRODUCTION TO PROGRAMMING (2/4)

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: At the end of this course, the student will be able to Explain about algorithm and its representation; Develop 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: Choose the right sorting and searching algorithm in problem solving; Write a program in C language in problem solving.

Topics: Programming and Algorithm; C Language Introduction; Input Output Operation; Operator dan Operand; Repetition/Looping; Selection; Pointer and Array; Function; Structure and Union; Static and Dynamic Memory Allocation; File; Sorting; Searching.

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 1.1 (T); Material Review 1.2 (T); Material Review I (L); Quiz I (T); Quiz I Review (T); AVL Tree (T); 2-3 Tree (T); Balanced Binary Search Tree (L); 2-3 Tree and B Tree (L); B Tree I (T); B Tree II (T); Heap, Tries & Hashing (L); Red Black Tree I (T); Red Black Tree II (T); Graph (L); Heap (T); Tries & Hashing(T); Review 2.1 (L); Graph I (T); Material Review (T); Material Review 2.2 (L); Quis 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: 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; Dynamic Programming: Coin Change Problem; Dynamic Programming: Multistage Graph; Dynamic Programming: Travelling Salesman; Dynamic Programming: Knapsack Problem; Code Optimization; Huffman Code; Graph Colouring; Basic Search and Traversal; Backtracking; Branch and Bound; Designing algorithm with specified complexity; Practices of algorithm analysis; Review.

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 and Pseudocode, Developing an Algorithm (L); Selection and Repetition Control Structure, Pseudocode Algorithms Using Sequence, Selection and Repetition (L); Program Design and Pseudocode (T); Developing an Algorithm (T); Array Processing and First steps in Modularisation (L); General Algorithms for common business problems (L); Selection Control Structure and Repetition Control Structure, 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 and Communication between Modules, Cohesion and Coupling (T); Communication Between Modules, Cohesion, Coupling and Quiz (T); Review Simple Structured Program Design (L); Introduction to Object Oriented and Use Case (L); Introduction to Object Oriented (T); Use Case Diagram (T); Activity Diagram (L); Class Relationship and Class Diagram (L); Identifying Functionality : CRC Cards and State Diagrams (L); Using Case and Activity Diagram (T); Identifying Functionality : CRC Card and State Diagrams (T); Class Diagram and State Diagram (L); Interaction Diagram (L); Implementation Diagram (L); Class Diagram, State Diagram and Interaction Diagram (T); Implementation Diagram & Quiz (T); Review of Object Oriented Development (L).

COMP6057 – SOFTWARE ENGINEERING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the software process model, modeling and the development software project to get high quality software application; Explain adaptable software process, requirement modeling, design, quality assurance and project management that lead to a high-quality product; Use process models, engineering practice, Software testing and managing project in software development; Describe software maintenance, quality, Risk Management and development approach in the future.

Topics: Introduction to Software Engineering & Requirements Engineering (L); Introduction to Software Engineering (T); Software Design Concepts (L); Requirements Engineering (T); Software Design Concepts (T); Review Materials I (L); Quality Concepts & Software Testing and Quality Assurance (L); Quality Concepts & Software Testing and Quality Assurance (T); Verification and Software Configuration Management & Product and Project Metrics (L); Verification and Software Configuration Management & Product and Project Metrics (T); Software Projects: Estimation and Scheduling & Risk Management, Maintenance and Reengineering (L); Software Projects: Estimation and Scheduling & Risk Management, Maintenance and Reengineering (T); Review Materials II (L).

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; Subprograms and Implementation; 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 to Automata; DFA, NFA (Lexical Analysis); NFA with empty moves, RE conversion (Lexical Analysis); Lexical Analysis; DFA Minimize (Lexical Analysis); Context Free Language (Syntax Analysis); Chomsky and Greibach Normal Form (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 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 Modeling in GIS; GIS Output; OpenGIS and Distributed GIS; MobileGIS; Issues in GIS: Data Quality ,Human and Organizational Issues; Database Management; 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 graphical user interface programming on Java Technology; Demonstrate database programming application 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); Customer Insight and Market Analysis (T); Requirement Engineering and Modeling (L); Design Concepts and Engineering (L); Understanding Requirements (T); Requirements Modeling (T); Business Model Environment (L); Design Process (T); Design Engineering and Quiz (T); Quality Concepts and Review Techniques (L); Software Quality Assurance and Software Testing Strategies (L); New Product / Service Development (T); Software Quality Assurance and Software Testing Strategies (T); Testing Applications and Security Engineering (L); Prototyping Products or Services (L); Project Management Concepts, Product and Project Metrics (L); Software Testing and Software Configuration Management (T); Formal Modeling and Software Configuration Management (L); Software Project Management and Software Metrics (T); Estimation for Software Projects and Project Scheduling (L); Risk Management , Maintenance and Reengineering (L); Estimation and Software Projects Scheduling (T); Evaluating Product/ Services Prototype (T); Evaluating Product/ Services Prototype (L).

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.

COMP6113 – NETWORK DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe Business and Technical goals and constraints; Identify Existing Network and its traffic; Design a Network Topology and Addressing models; Select Network Devices and Technologies; Describe Network Security and Management Strategies.

Topics: Analyzing Business Goals and Constraints; Analyzing Technical Goals and Tradeoffs; Characterizing the Existing Internetwork; Characterizing Network Traffic; Designing a Network Topology; Designing Models for Addressing and Numbering; Selecting Switching and Routing Protocols; Developing Network Security Strategies; Developing Network Management Strategies; Selecting Technologies and Devices for Campus Networks; Selecting Technologies and Devices for Enterprise Networks; Testing Your Network Design; Optimization and Documentation.

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 knowledge documentation for object oriented software engineering using UML; Analyze problem and alternative solutions using object oriented software engineering approach; Manage software process and build software engineering teams based on object oriented software engineering approach.

Topics: Software and Software Engineering; Review of Object Orientation; Developing Requirements; Object Oriented Analysis; Modeling with Classes; Modeling with Classes; Users and their tasks with User Interface; Modeling interactions sequence; Architecting and Designing Software; Testing to Ensure High Quality of Software Product; Inspecting to Ensure High Quality of Software Product; Choosing Technology; Reusable Design Patterns.

COMP6119 – DATABASE ADMINISTRATION (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the strategy to manage and monitor the database server; Apply SQL server features; Apply stategies for perfomance tuning; Perform a plan for backup and recovery.

Topics: Transaction Management - 1; Maintenance & Backup and Recovery; Automating SQL Server; Service Broker and Security; Transaction Management-2; Index, Replication, Services Administration and Performance Tuning; Optimizing Server; Query Processing-1; Query Processing-2; Query Processing-3; Repoting Service Administration.

COMP6120 – NETWORK PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the concept of network programming techniques; Demonstrate some programs with common protocols used in computer network; Select network programming techniques and protocols for solving a problem.

Topics: Network System Overview; Socket Introduction; Elementary TCP Sockets; Multiprocessing Server; Multithreading Server; I/O Multiplexing Server; UDP Sockets; Java Socket Programming I; Java Socket Programming II; C++ Socket Programming; Winsock Programming; Unicast, Multicast and Broadcast; Review.

COMP6121 – SERVER TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain Computer Network and Server Concept and Technique; Identify Services in a Server; Demonstrate Installing, Configuring, and Administering a Server.

Topics: Install Windows Server 2012 R2; Configure Network Service; Plan and Install Active Directory; Configure Windows Server 2012 R2; Administer Active Directory; Manage GPOs; Manage Security; Configure TCP/IP; Use Virtualization in Windows Server 2012; Review 1; Manage and Maintain Server; Manage File Service; Configure DNS; Configure Routing and Remote Access; Configure a Network Policy Server Infrastructure; Configure and Manage Active Directory; Configure and Manage Group Policy; Configure and Manage High Availability; Configure File and Storage Solutions; Review 2; Implement Business Continuity and Disaster Recovery; Configure Advanced Network Services; Configure the Active Directory Infrastructure; Configure Access and Information Protection Solutions; Review 3; Review 4.

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.

COMP6132 – LINUX OPERATING SYSTEM (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe The Linux Operating System, its components, and services; Demonstrate using The Linux user interfaces and System Administration; Apply security Techniques on Linux system and its services.

Topics : Introduction to Linux; Shell Introduction and Filesystem; Text Files and Running Processes; Shell Scripts and System Administrator; Managing User Account, Disk, and File Systems; Server and Network Administration; Services 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.

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 pre processing; Explain concept of data warehouse and online analytical processing; Apply various basic and advanced data mining technique; Apply data mining trends and research.

Topics: Introduction; Getting to Know Your Data; Data Preprocessing; Data Warehousing and On-line Analytical Processing; Data Cube Technology; Mining Frequent Patterns, Associations, and Correlations: Basic Concepts and Methods; Advanced Pattern Mining; Classification: Basic Concepts; Classification: Advanced Methods; Cluster Analysis: Basic Concepts and Methods; Cluster Analysis: Advanced Methods; 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 business plan and the showcased potential business project, design and evaluate business plan; 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; Web Application Customer Profiles; HTML - Web Design Fundamental; Who are Our Next 10 Customers?; High Specifications in of Web Apps; JavaScript – Fundamental; JSP – Fundamental; Quantifying the Value Propositions of Web Apps; Where is Your Positions? (Chart Competitive Position); Sessions and Cookies; JSP and JavaBeans; Designing Business Model of Web Apps; JDBC, Internet and SSL.

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; Relate the fundamental design to the current development of Operating System; Demonstrate different techniques of the design of the Operating System; Apply and demonstrate the skills in using C programming language in writing user programs to interact with the operating system.

Topics: Operating System Oveview and the UNIX File system; Process; Multiprocessor and embedded system; Threads; Scheduling; Concurrency; Deadlock; File Management; Input / Output 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.

COMP6514 - EES IN INFORMATION TECHNOLOGY INDUSTRY (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.

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 the differences 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.

COMP6179 - INTRODUCTION TO INFORMATION SECURITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe principal of information security process and ethics; Classify techniques and technology of security; Explain implementing information security process and maintenance

Topics: Information Security at Glance; The Need for Security; Legal, Ethical and Professional Issues in Information Security; Risk Management; Planning for Security; Security Technology: Firewalls; Security Technology: VPN; Security Technology: Intrusion Detection and Prevention System; Security Technology: Others Security Tools; Cryptography; Physical Security; Implementing Information Security; Security and Personnel; Information Security Maintenance

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; Write shell scripts for system administration

Topics: Introduction to LINUX Server Administration; Domain Name System; Mail Server; Apache; Load Balancing; Virtualization; Basic Shell and Backup; Basic Shell Commands and Environment Variables; Basic Shell Scripting; Shell Script – Control Structure; Shell Script – Functions; Regular Expression; sed and gawk;

COMP6181 – CYBER SECURITY ANALYSIS AND METHOD (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe ethical hacking Methodology; Execute ethical hacking method with correct step; Assess vulnerabilities system with correct method.

Topics: Introduction to Hacking; Linux Review; Information Gathering; Target Enumeration; Vulnerability Assessment; Network Sniffing; Remote Exploitation; Client Side Exploitation; Postexploitation; Windows Exploit; Wireless Hacking; Web Hacking.

COMP6182 – SECURITY FOR MULTIMEDIA (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define Data and Multimedia Technique Security; Apply Data and Multimedia Technique Security on multi-platform; Evaluate Data Forensic and Mitigation Strategies.

Topics: History of Secret Writing; Four Easy Data Hiding Exercise; Steganography; Multimedia Data Hiding; Data Hiding Among Android Mobile Device; Apple iOS Data Hiding; Operating System Data Hiding; Virtual Data Hiding; Data Hiding in Network Protocol; Forensic and Anti-Forensic; Mitigation Strategies; Futures; Summary and Review;

COMP6183 – SECURE WEB PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Web Technology Environment; Construct Web Application; Apply Web Security Method.

Topics: Web Basic and Technology Environment; Web Structural Decision and Repetition; Web Session, Cookies and Request Response; Web Array and File Uploading; Web Dangerous Function and Regular Expression; Web Database; Web Javascript, AJAX and JSON; Web Form Processing Security; Web Database and SQL Security; Web Authentication Security; Web Data Lost Prevention; Web Securing Network Connection; Web Controlling Access;

COMP6184 - INTERNSHIP I (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.

COMP6185 – PENETRATION TEST CYBER SECURITY IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of Cyber Security in Industry, student will be able to: practice and do penetration test system using appropriate methods in industry.

Topics: Footprinting; Vulnerability Analysis; Penetration Test;

COMP6187 – CYBER FORENSIC IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of Cyber Forensic in Industry, student will be able to: forensic and incident handling after attack occurrence.

Topics: Computer Forensic Digital Evidence; Windows Forensic; Recovery Files; Steganography Image Forensic; Network Forensic; Investigating Web Attacks

COMP6188 - INTERNSHIP II (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.

COMP6189 – CYBER SECURITY MECHANISM DESIGN IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of Cyber Security Mechanism Design in Industry, student will be able to: design protection for vulnerabilities on the system, design mitigation plan and risk management for incident handling.

Topics: Vulnerabilities Protection; Incident Handling; Risk Management.

COMP6190 – CYBER SECURITY PROGRAMMING IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of Cyber Security Programming in Industry, student will be able to: implement protection of system vulnerabilities with programming security skill; Build secure system; Implement network Programming.

Topics: Secure Programming; Web Programming; Network Programming.

COMP6191 - EES IN CYBER SECURITY PROFESSIONAL II (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.

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.

COMP6193 – CYBER FORENSIC (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Cyber Forensic Foundation; Demonstrate cyber forensic activities; Analyze cyber forensic result and report;

Topics: Cyber Forensic Introduction; Cyber Forensic Process; Digital Evidence; Understanding Hardware & File System; Windows Forensic; Linux Forensic; Mac OSX Forensic; Recovery Data; Steganography; Image File Forensic; Network Forensic; Web Server Forensic; Email Forensic; Device Forensic;

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; Computational Geometry; Graph II; Mathematics II; Computational Geometry II; Standard Template Library (STL); 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; Explain the concepts of AI Techniques in Game; Design AI-Based game; Construct AI-Based Game.

Topics: Introduction to AI for Games; Game AI; Introduction 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; Review & Project Presentation I; 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 II.

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: Introduction to Software Engineering; Process Models and Agile Development; Customer Insight and Market Analysis; Understanding Requirements; Requirement Modeling : Flow, Behavior, Patterns, and WebApps; Requirements Modeling : Scenarios, Information, and Analysis Classes; Design Concepts and Engineering; Business Model Environment; Design Process; Design Engineering; Quality Concepts and Review Techniques; Software Quality Assurance and Testing Strategies; New Product / Service Development; Testing Conventional and Object-Oriented Applications; Program Inspections, Walkthroughs, and Reviews; Test-Case Design & Debugging; Testing

Mobile Application; Prototyping Products or Services; Formal Modeling and Software Configuration Management; Software Project Management and Software Metrics; Estimation for Software Projects; Project Scheduling; Risk Management; Maintenance and Reengineering; Evaluating Product/ Services Prototype; Project Presentation

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 game development projectExplain the software engineering practices and business environment in games industry; Demonstrate the quality assurances and the potential showcase business project; Analyze the software project management and the proposed potential business project

Topics: Introduction to Software Enginnering; Process Models and Agile Development; Introduction to Games Software Engineering; Customer Insight and Market Analysis; Requirement Engineering and Modeling; Design Concept and Engineering; Understanding Requirements; Requirements Modeling; Business Model Environment; Design Process; Design Engineering; Quality Concepts and Review Tecniques; Software Quality Testing and Testing Strategies; New Product/Service Development; Software Quality Assurance in Games Development; Testing Conventional and Object-Oriented Applications; Prototyping in Games; Formal Modeling and Software Configuration Management; Project Management in Games Development; Software Metrics; Software Configuration Management; Estimation for Software Project; Risk Management in Games Development; Project Scheduling; Evaluating Product/Service Prototype; Maintenance and Re-engineering in Games Development

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 various types of Data Structure and utilize appropriate data structure on computer application for problem solving.

Topics: Data types; Data Structure; Array and Structure; Pointer & Linked List; Stack; Queue; Tree; Binary Tree; Binary Search Tree; AVL Tree; Graph.

COMP6333 – EES IN CYBER SECURITY PROFESSIONAL I (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.

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 will obtain working experience in the real field work to apply soft skills.

Topics: Team work; problem solving; interpersonal skill.

COMP6428 – EES IN INFORMATION TECHNOLOGY INDUSTRY (3 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.

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.

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; The Representation of Knowledge; Methods of Inference; Reasoning under Uncertainty; Inexact Reasoning; Design of Expert Systems; Introduction to CLIPS.

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: Compare and use different formats in multimedia elements; Describe the basic formation of multimedia elements; Build a computer program using multimedia elements.

Topics: Introduction to Java GUI API; Event Driven Programming; The Concepts of Thread; The Concepts of Image; The Concepts of 2D Graphics; The Concepts of Audio; The Concepts of Video; The Concepts of 3D Objects; Multimedia Network Communication.

COMP7110 – COMPUTER GRAPHIC (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define Computer graphics system and architectures; Explain Graphics with open GL and viewing in graphics programming; Apply raster graphics, clipping, graphics transformation, illumination, lighting, shading, texture,and object modeling algorithms in 2D/3D; Analyze raster graphics, clipping, graphics transformation, illumination, lighting, shading, texture, and object modeling algorithms in 2D/3D; Construct raster graphics, clipping, graphics transformation, illumination, lighting, shading, texture, and object modeling algorithms in 2D/3D.

Topics: Computer Graphics System; Graphics Architectures; Graphics Programming; Viewing in Graphics Programming; Clipping and Polygon Rasterization; Geometrics Transformation 2D; Geometrics Transformation 3D; Projection; Interactive Programming with OpenGL, GLUT, and GLUI; Achromatic and Chromatic Illumination; Lighting and Shading; Texture Mapping; Curves and Surface.

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; Understand the various standard procedures of image preprocessing prior to image analysis; Capable to identify and extract different image features required for various application of Computer Vision Systems; Capable of developing reliable and accurate Computer Vision Systems for solving various image based industrial problems.

Topics: Introduction to Computer Vision (CVS); Image Formation and Representation; Grayscale Transformations and Image Filtering (Spatial Domain); Grayscale Transformations and Image Filtering (Fequency Domain); Edge Detection; Feature Tracking and Binary Image Analysis; Image Segmentation (Part 01); Image Segmentation (Part 02); Stereo Correspondence; 3D Reconstruction; Structures From Motion; Recognition (Part 01); Recognition (Part 02).

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 Neural Network; Neural Network Architecture; Neural Network Learning Concept; Perceptron; The Least-Mean-Square (LMS) Algorithm; Multilayer Perceptrons; Principal-Component Analysis (PCA); Self-Organizing Network Model (SOM); Review Material.

COMP7126 – **ARTIFICIAL INTELLIGENCE IN GAMES (2/2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: Describe how Artificial Intelligence works in Games; Explain concepts of AI Techniques in Games; Apply AI Techniques in building Games; Construct AI-based Games.

Topics: Introduction; Game AI; Movement: Steering Behaviors; Movement: Predicting Physics & Jumping; Movement: Coordinated Movement, Motor Control & Movement in the Third Dimension; Pathfinding: Djikstra & A*; Pathfinding: Hierarchical & Continuous Time Pathfinding; Decision Making: Decision Tree & State Machines; Decision Making: Behavior Tree, Fuzzy Logic & Markov Systems; Decision Making: Goal-Oriented Behavior & Rule-Based System; Learning: Parameter Modification & Action Prediction; Learning: Decision Learning; Project Presentation.

COMP7128 – 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: Designing and Developing Games; Understanding Player and Machine; 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.

COMP7139 – GAME PROGRAMMING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain game development in Unity Programming; Apply techniques in 2D and 3D game programming; Design User Interface for Game Development; Deploy game application using Unity.

Topics: Introduction to Unity Programming; 3D space; Enemies and Projectiles to the 3D Game; Graphics; Memory Game; Design 2D GUI in a 3D Game; Third Person 3D Game; Interactive Devices and items; Workshop I; Sound Effects and Music; Connect Game to the Internet; Game Polish; Deploy to players' device; Workshop II; Workshop III.

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 subject the students will get experiences in solving the problems of computer science 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.

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; Identify and analyse the good UX and methods to plan, analysis, design and build UX; Apply design principles to prototyping and design 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; UX Design Principles; Site Maps and Task Flows; Wireframes and Annotations; Prototyping; Design Testing with Users; Transition: From Design to Development and Beyond; Review Designing the UX.

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: State how assembly code works in Intel x86 machine that we use daily; Describe how I/O port and Memory work in Computer System based on programrs perspective; Identify basic concept of Software in Intel x86 related to Hardware.

Topics: Basic Computer Systems; The Intel 80x86 Base Architecture; Bits and Bytes Representation in Intel x86 Machine; Machine Level Program; The Memory Hierarchy of Intel x86 Machine.

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 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 (FETs); Thyristors; Introduction to 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; Least Squares, Orthogonality, and the Fourier Series.

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.

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: Swtiched LAN Architecture; Basic Switch Concepts; Configuring Switch Security; VLAN; VTP; STP; STP Convergence; Inter-VLAN Routing; Basic Wireless Concepts; Configure Wireless LAN Access; Introduction to WANs; 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 the platform used and principles of penetration test; Demonstrate how to sniff, scan, perform system hack; Demonstrate web server, web application and wireless hacking; Explain phishing, DOS, Social engineering and priviledge escalation; Explain how to maintain access, evade network security devices, to document and report.

Topics: Introduction to Ethical Hacking; Platform – Backtrack; 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; Security Devices; Documentation and Reporting.

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 signal and system, 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.

CPEN6100 - CONTROL SYSTEM (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe the mathematical model of control systems; Analyze the stability and performance of control systems; Design of compensator to improve the stability and performance of control systems; Use computer software to model control systems and to plot the responses.

Topics: Control System Design by the Root Locus Method; Introduction to Control System; Mathematical Review; Modeling of Control System; Transient and Steady State Response Analysis; Control System Analysis by the Root

Locus Method; Control System Analysis by the Frequency-Response Method; Control System Design by Frequency-Response Method; PID Controllers.

CPEN6101 - ADVANCED NETWORK PROGRAMMING (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 Web 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 Recconaisance; Extending burp suite; Github Command & Control for Trojan; Browser Exploitation Programming; Common trojaning task on windows; Windows Privilege Escalation; Automatic Offensive Forensic.

CPEN6102 - NETWORK SECURITY ADMINISTRATION (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe Network Security Monitoring; Apply Network Security Monitoring Techniques; Analyze Network Monitoring Result; Evaluate Report of Network Monitoring Result.

Topics: Introduction to Network Security Monitoring; Collecting Network Traffic; NSM Deployment; NSM Distributed Deployment; Command Line Packet Analysis; Graphical Packet Analysis; NSM Consoles; Server-Side Compromise; NSM Operations; Client-Side Compromise; Extending Security Tools; Security and Checksums.

CPEN6104 - AUTOMATION AND PROCESS CONTROL IN FOOD PROCESSING (2 Credits)

Learning Outcomes: At the end of this course, students 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 & Subneting; 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 & Extranet; IP Addressing; Classless & Subneting; 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.

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: Ohm's Law; Series Circuits, Parallel Circuits and Series-Parallel Circuits; Electric Circuits Theorems and Conversions; Analysis Method of Electric Circuit; RL Circuits and Resonance; RC, RLC Circuit and Resonance; Passive Filters (HPF and LPF); Passive Filters (BPF and BSF).

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 concepts and general framework of computational intelligence paradigms such as artificial neural networks, fuzzy systems, evolutionary computation, genetic algorithms, genetic programming, and swarm intelligence; apply intelligent computing methodologies and algorithms employed in computational intelligence research; solve problems related to computational intelligence paradigms.

Topics: Introduction to Computational Intelligence ; Artificial Neural Networks; Fuzzy Systems ; Neuro-Fuzzy Modeling; Evolutionary Computation Paradigms; Genetic Algorithm and Programming; Swarm Intelligence

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 Database application; Build Network Application; Multithreading; Deploy Qt Application on cross plaform environment; Project Presentation.

CPEN6127 - NETWORK INFRASTRUCTURE TECHNOLOGY (4/1 Credits)
Learning Outcomes: On successful completion of this course, student will be able to : explain the basic physical properties of optical fiber and electromagnetic waves such as reflection, diffraction, refraction; explain the various fiber optic cables and components and multiplexing; explain the role of radio waves to carry information; explain the role of optical systems as broadband systems in multiplexing and its network management.
Topics: Basic physical properties of optical fiber and electromagnetic waves; Fiber optic cables, optical transmission and radio network infrastructure systems; Multiplexing and Network Management system principles.

CPEN6128 - MOBILE COMMUNICATIONS AND CYBER SECURITY (4 Credits)
Learning Outcomes: On successful completion of this course, student will be able to : explain the fundamental of wireless engineering practice; explain the various cellular technology data centric communication; explain the concepts of network security; explain the techniques cryptography; explain the techniques for penetration testing
Topics: Wireless technology for mobility of data communications; The technical aspect various wireless technology (3G, 3.5G, LTE, and IMS); Principles of network security and cryptography; Penetration testing.

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.

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 standarized 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 Trough the Ages; Properties of Color; Color Schemes; Color Perception; Working with Color – Color Composition; Working with Color – Color and Culture; Working with Color – Indentity.

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: Fundamentals of Drawing; 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; 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 priciples 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 visual characteristics of typefaces among historical classifications.

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; Introduction to 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 able and workable topology to the 3D Digital sculpting model method on 3D Character Design; Use the 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 subtool; Pipeline Integration; Digital Sculpting Polypaint to create textures; Approaching shader material and rendering preview; Retopologized; Lighting setup; Advance Material & Shaders; Posing your 3d Character; Rigging & skinning; Advance rendering; Presenting 3D Character.

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; The17th – 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 basic and key concepts of research and method in visual communication design (animation) context; Demonstrate key concepts and approaches of research and method in visual communication design (animation); Analyze design problems and possible solution in visual communication design (animation) through integrated design research and method; Propose strong, deep, and applicable concept of design solutions through integrated design research and method for visual communication design (animation) project.

Topics: Understanding design, research, and method; Design method, research method, and design research; Research Method I; Research Method II; Research Method III; Research Method IV; Research Proposal; Design Research, Method, and Process; Development (Discovery Stage); Pre-production I (Planning Stage); Pre-production II (Creative Stage); Production and Post-production (Application Stages); Animation Design Proposal.

DSGN6185 - CAMERA TECHNIQUE AND LIGHTING (2/2 Credits)

Learning Outcomes: After completing this course, the students will be able to: Define understanding the camera technique; Recognize the tools of TV Camera and lighting; Demonstrate the TV Camera and lighting; Produce the TV Program

Topics: introduction of cameraman and equipment; understanding of lens; The Shots: Building Blocks of a Scene; The camera movement and angle; The shot, scene and sequence; The audio and camera; Single Cam; multi camera; principal news cameraman; principal entertaiment cameraman; introduction lighting and equipment; basic lighting; tips for lighting and lighting the darkness

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.

DSGN6187 - WEB PRODUCTION AND WEB MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of website production and management; Apply basic function in website production and management; Formulate concept of website production and management : planning, constuction, content creation and publicity.

Topics: What Is Web Development; Web Production Skill; Thinking About Pre-Production; Website Content; Setting Up A Web Planning; Understanding Wordpress Dashboard; Website Design; Website Construction; Website Publicity; Publishing Website; Writing, Ethic And Regulation; What Is Website Maintenance; Website Review..

DSGN6188 - DESKTOP PUBLISHING FOR DIGITAL JOURNALISM (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the clean news story; Analyze the right news story; Produce the great news story.

Topics: True Picture of The Professions; Copyediting 1; Copyediting 2; Proofreading 1; Proofreading 2; Proofreading 3; Copyediting, Proofreading and Language; Style Sheets; Publishing: Book and Magazine; Success Copyeditor and Proofreader.

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; Apply basic techniques in photography.

Topics: Introduction**;** Basic operation and Exposure**;** Light**;** Compostion; Photography Techniques**;** Speedlight**;** Studio lighting; Final 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 Element of Design; Interior Shape and Space; Geometrical Shape; One Point Perspective; 2 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 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 the purpose of designing furniture; Apply design requirements to the design; Construct the design ideas based on the function and necessity; Integrate design with the interior of the space.

Topics : Product Ideas 1; Product Ideas 2; The Product Brief 1; The Product Brief 2; Design Solutions 1; Design Solutions 2; Design Solutions 3; Production 1; Production 2; The Marketplace 1; The Marketplace 2.

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 procees 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 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 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 Anthropomtrics; 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: Desccribe definition of hotel; Apply the theory of designing hotel; Analyze the collected data; Construct the design concept based on the space function and necessity; Analyze the right design element for the design outcome.

Topics: Basic Principles of Hotel; Data Survey : Literature & User; Hotel Data Survey; Hotel Collocted 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 Factos in Interior Design; Combination between Aesthetics and Function; Aesthetic of Interior Design and its Period Styles; Renaissance, Baroque and Rococo; Neoclassical, Victorian and Early Modern Design; Modern Design; 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: Understanding the basic of chair design; Chair Ergonomic and Athropometric: Tailoring Human Measurement (Project); Understanding shapes - Learn by styles and details; Understanding the material - Characteristics and Techniques (Wood & Rattan); Understanding the material - Characteristics and Techniques (Metals); Understanding the material - Characteristics and Techniques (Plastics); Understanding the material - Characteristics and Techniques (Upholstersy); Material Collaboration; Furntiure Studio 1 - Inspired by Indonesian Ethnic : Dining Chair; Furniture Studio 2 - Modern Chair : Mix Material.

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: Explain characters of furniture's material; Apply knowledge of material character and finishing techniques on projects; Select the right material finishing techniques based on material's character.

Topics: Introduction to Material & Finishing Furniture 1; Stones - Characters & Finishing Techniques; Woods - Characters & Finishing Techniques 1; Woods - Characters & Finishing Techniques 2; Woods - Characters &

Finishing Techniques 3; Metals - Characters & Finishing Techniques 1; Metals - Characters & Finishing Techniques 2; Metals - Characters & Finishing Techniques 3; 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 Days; Presentatation 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 animation in the context of the cinema, the arts & design, culture and communications studies; Review the history of animation from the era before the film (pre-cinema) to the contemporary digital age; Identify the style of the animation development from the era of film experimentation (silent era) to the contemporary digital age; Analyze the formal aspect and the structure of animation by using the formalist and the semiotic method.

Topics: Understanding Animation; The origin of Animation; Film Animation I; Film Animation II; The Era of Television; The Digital Era I; The Digital Era II; Animation Styles; Formalistic Review of Animation I; Formalistic Review of Animation II; Semiotic Review of Animation I; Semiotic Review of Animation II; Semiotic Review of Animation III.

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; Propose the potential showcase business project

Topics: Key Concept; Customer Insight and Market Analysis; Force With Character; Business Environment; Space With Character; Design Process; Shape with Character; Costume With Character; Product/Service Development; Reportage With Character; Prototyping Product; Animal With Character; Evaluating Product/Services Prototype

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 trough 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: Identifying appropriate digital interaction to gain continuous and optimum digital campaign impact; Create an interactive platform to enable consumer collaboration using the advantage of two ways of communication of digital media; Process data of research results through creative thinking methods to produce a unique solution advertising and contextual targeting.

Topics : Introduction; External Guess Lecturing 01 (Account Director or Strategic Planner) 'AGENCY & CLIENT SIDE'; External Guess Lecturing 02 (Account Director or Strategic Planner) 'ADVERTISING BRIEF'; External Guess Lecturing 03 (Creative Director or Art Director) 'DEFINE INSIGHT TO BUILD THE IDEA'; Internal Guess Lecturing 01 'ADVERTISING CAMPAIGN'; External Guess Lecturing 04 (Creative Director or Art Director) 'DEFINE INSIGHT TO BUILD THE IDEA'; External Guess Lecturing 05 (Senior Art Director) 'ART DIRECTOR & ART DIRECTING'; External Guess Lecturing 06 (Senior Copywriting) 'COPYWRITING & BRAND STORY TELLING'; Student desk research by literature & internet; Internal Guess Lecturing 02 'BRAND IN ADVERTISING'; External Guess Lecturing 07 (Creative Digital) 'DIGITAL ADVERTISING & ACTIVATION'; Internal Guess Lecturing 'Binus Career'; Internal Guess Lecturing 03 'ADVERTISING & CREATIVE COMMUNICATION INDUSTRY OF THE FUTURE'.

DSGN6255 - FINAL PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Pre-Production: define, purpose and scope of Animation projects; analyze the problems, gather and compile data; basic theories and creative concept of Animation Project . Production & Post Production: create an animation Project

Topics: Students will choose theme (categories of animation project), topic, title of animation project & production pipeline.

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

DSGN6262 – FINAL PROJECT (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

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.

DSGN6268 - COMPUTER GRAPHIC (4 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; Describe kinds of pixel imaging problems and techniques; Apply in pixel imaging application to solving problems.

Topics: Vector Introduction in Illustrator CS6; Basic Tools and Shape; Working with Path and Layers in Illustrator CS6; Transformation in Illustrator CS6; Pattern & Brushes in Illustrator CS6; Text in Illustrator CS6; Introduction in Adobe Photoshop CS6; Working with Selection and Layers; Brush in Adobe Photoshop CS6; Enhancing, Corecting and Retouching Images; Working With Path and Channels; Transformation and Masking in Adobe Photoshop CS6; Filters & Effects.

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.

DSGN6278 - FINAL PROJECT (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.

DSGN6279 - CREATIVITY FOR MEDIA COMMUNICATION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define and the concept of creativity and explain the relation with creative writing in today Media Communication; Identify the basic principles of creative writing and specify them briefly; Classify the characteristics of creative writing and breakdown them which differentiate it from technical writing; Compose stories as to demonstrate competency of providing creative content for today media; Construct the business plan and evaluate the business model.

Topics: Introduction: Defining Creative Writing; Creative vs Technical Writing; Customer Profile; Getting Started: Preparation & Sketching Ideas; The Next 10 Customer; Developing Story (Characters, Setting, Plot and Structure); High level Specs Product/Service Specification; Creating Conflict, Climax and Resolution; Quantify Value Proposition; Revising and Editing; Chart Competitive Position; Design Business Model; Tips to Improve your Creative 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; Demonstrate Animation Production Pipeline; Apply Character to life

Topics: Introduction: Animation Process Pipeline; The Dramatic Structure of Stories; Theory of Storytelling; The Laws of Animation; Animation production 01; Animation Production 02; Animation production 03; Develop story with animation; Animation Production 04; Post Production 01; Post production 02; Animator's Eye; Review and Presentaion

DSGN6285 - IDEATION AND ART DIRECTION (6 Credits)

Learning Outcomes: By the end of the course, students will 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; Apply digital imaging application to solving problems; Apply basic 3D technique for imaging in project; Describe different case in creative animation project.

Topics: Basic GUI, Resolution, Dimension & Color mode for output media selection in Adobe Photoshop CS6; Layering, masking & adjustment layer in Photoshop CS6; Composing still images with many sources using selection path in Photoshop CS6; Vector graphic & Raster in digital imaging; Color correction in digital imaging; Image manipulation in digital imaging; Introducing Maya 2016, GUI & Basic 3D workflow 1; Introducing Maya 2016, GUI & Basic 3D workflow 2; Basic 3D polygonal modeling 1; Basic 3D polygonal modeling 2; Basic material tools, integration with image editing software 1; Basic material tools, integration with image editing software 2; 3D Camera; Basic lighting tools; Basic Animation tools 1; Basic Animation tools 2; Basic rendering tools 1; Basic rendering tools 2; Output media file, animation movie, sequence, still image compressor & decompressor 1; Output media file, animation movie, sequence, still image compressor & decompressor 2

DSGN6329 - COMPUTER GRAPHIC II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use digital compositing and animation tools; Apply the basic compositing and editing; Describe different case in creative animation project; Apply production pipeline in Computer graphic software.

Topics: Basic Fundamental in Compositing Software; Basic layer, Transformation, & Animation; Masking tools & Rotoscoping; Basic Rendering & Format Digital Media; Basic Effect Layer & Blending Mode; Link between Layers & Intro to Based Layer 2D Character; Track Matte for Alpha Channel in Compositing; Basic Keying; Media Audio and

Video, Off-line and On-line Editing; Basic GUI & Editing Tools; Integration Editing and Compositing Tools; Audio Recording BGM; Output File Format for Digital Media Using Media Encoder.

DSGN6330 - ILLUSTRATION DESIGN (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the definition of caricature; Describe the human portrait with personality; Use the carricature knowledge in design character application.

Topics: Preamble; Caricature Theories; Designing the Caricature.

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 Analized; 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.

DSGN6343 - CREATIVE PRESENTATION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain about presentation design; Describe the design elements and principles for an effective slides; Describe the importance of building a storyline as a whole unity; Integrate the content of the presentation with the audience's background; Design and demonstrate the whole presentation.

Topics: Introduction to creative presentation; Design matters: the importance of layout; Presenting with types; Communicating with colors; Using images and videos to tell stories; The power of stories; Participation from the audience; Participation from the audienc; Tapping emotions, showing passions; Presentation.

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: Intelectual Property Right (IPR),Creative Idea,Businness 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 pasca-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.

DSGN7032 – FINAL PROJECT (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; Acting & Reference; Production.

DSGN7126 – GUEST LECTURER (3 Credits)

Learning Outcomes: 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); External guest lecturer; Internal guest lecturer (Binus Career)

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); Appliying 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: Fundamental of drawing; Basic Perspective; One point perspective view; Two Points Perspective View; Perpective 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: The Approach to Figure Drawing, Seeing Life, Applied Force; The Road of Rhythm; Perspective; Spatial Concept; Clothing; Animal.

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; Finding the Right Customer Segment for the Business; Ideation of the business; Visual Thinking; Relief print method classification; Relief print techniques; Prototyping the Business; Printed edition; Telling Stories about the Business; Creating Scenarios; Relief print technique types; 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 360º 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: Describe Designing the system integration of brand identity with the concept; Apply the brand identity system to every subject according the goal; Arrange 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, Corecting 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 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 poducers, 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 actor Inputs; GeneralEquilibrium and Economic Efficiency; Investment, time, and caoital markets; Markets with asymentric information; Externalitas and public goods.

ECON6006 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the economic problem; Calculate measuring GDP and economic growth as monitoring macroeconomic performance; Combine macroeconomi trends; Analyze Macroeconomic fluctuations; Estimate macroeconomic Policy.

Topics: Introduction: What is Economics and The Economic Problem; Introduction: Demand and Supply; Monitoring Macroeconomic Performance: Measuring GDP and Economic Growth; Monitoring Macroeconomic Performance: Measuring GDP and Economic Growth; Monitoring Macroeconomic Performance: Monitoring Jobs and Inflation; Monitoring Macroeconomic Performance: Monitoring Jobs and Inflation; Macroeconomic trends: Economic Growth; Macroeconomic trends: Economic Growth; Macroeconomic trends: Finance, Saving, and Investment; Macroeconomic trends: Finance, Saving, and Investment; Macroeconomic trends: Money, the Price Level, and Inflation; Macroeconomic trends: Money, the Price Level, and Inflation; Macroeconomic trends: The Exchange Rate and the Balance of Payments; Macroeconomic trends: The Exchange Rate and the Balance of Payments; Macroeconomic fluctuations: Aggregate Supply and Aggregate Demand; Macroeconomic fluctuations:

Aggregate Supply and Aggregate Demand; Macroeconomic fluctuations: Expenditure Multipliers: The Keynesian Model; Macroeconomic fluctuations: Expenditure Multipliers: The Keynesian Model; Macroeconomic fluctuations: Inflation, Unemployment, and Business Cycle; Macroeconomic fluctuations: Inflation, Unemployment, and Business Cycle; Macroeconomic Policy: Fiscal Policy; Macroeconomic Policy: Fiscal Policy; Macroeconomic Policy: Monetary Policy; Macroeconomic Policy: Monetary Policy; Macroeconomic Policy: International Trade Policy; Macroeconomic Policy: International Trade Policy.

ECON6017 – ECONOMIC THEORY (2 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 Moneter Policy; Aggregate Demand in the Goods and Money Markets; Aggregate Supply in the Goods and Money Markets; International Trade and Open-Economy Macroeconomics

ECON6035 - TOURISM ECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the trends in tourism demand; Describe how tourism affecting local economies and the influencing factors; Use relevant economic approach in solving recreation and tourism problems; Analyze investment and market opportunities in the tourism sector, analyze the trends in tourism demand, analyze the influencing factors of how tourism affecting local economies, analyze recreation and tourism problems by using relevant economic approach

Topics: Introduction; Recreation, Leisure and Tourism Organizations; The Market for recreation, 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

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.

ECON8009 – MANAGERIAL ECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Categorize the elasticity of demand and supply which relates to total revenue; Calculate the profit – maximizing price and output; Analyze the condition for contestable market and the ramifications for market power and the sustainability of long-run profits;

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; Quantitative demand analysis in managerial evaluation for decision making relate to consumer behavior; 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 market; Strategic managing monopoly market; Strategic managing Monopolistic competition markets; Oligopoly model: basic and game theory; Market power in pricing strategies for firms; Evaluation of the economics of information; Evaluation of advanced topics in business strategy.

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 Trainin; 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 Orthograpghy 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 Pronounciation; 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: Demonstrate how to think philosophically, logically and critically; Express how to avoid fallacies in thinking and reasoning; Explain how to appreciate academic honesty.

Topics: History of Philosophy; History of Philosophy 2; Logics 1; Logics 2; Syllogism; Arguments; Fallacies; Critical Thinking; Knowledge & Science 1; Knowledge & Science 2; Philosophy of Science 1; Philosophy of Science 2; Plagiarism.

EDUC6010 – CLASS MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Summarise Summaries historical context of research based of discipline and classroom management; Apply Applies organizational techniques and technologies to assist with time management and efficiently manage transition time; Apply Applies strategies to increase home/school collaboration to create a more effective learning environment; Apply Applies the principles of preventive discipline/management and supportive/corrective discipline/management; Apply Applies methods for developing student-teacher rapport in the classroom and design learning activities to encourage positive social interaction, active engagement, and self regulation for every student.

Topics: Course Overview & Introduction to Classroom Management; The Art of Teaching; Schools of Thought and the Research Bases for Classroom Management Strategies; Establishing a Favorable Climate for Cooperation; Establishing Cooperative Relationships; Standards for Conduct, Routine Procedures, and Safe-School Policies; Working with Individual Differences among Students; Conducting and Monitoring Engaging Learning Activities; Approaching Off-Task Behaviors Systematically; Modifying Off-Task Behavior Patterns; Dealing with Nondisruptive Off-Task Behaviors; Dealing with Disruptive Behaviors; Continuing to Build Your 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: 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; Configuring Moodle; Creating Categories and Courses; Adding Static Course Material; Adding Interactive Course Material; Adding Social Course Material; Features for Teachers; 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 interprate 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 Profesional 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 (Practicet); 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 (Practicet); 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.

EDUC6031 – INTRODUCTION TO SPECIAL NEEDS EDUCATION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of special needs education, understand special needs education in primary school curriculum, apply knowledge and skills in special needs education setting.

Topics: What is Special Needs Education, Issues in Special Needs Education, Special Needs Education in Practice.

EDUC6032 – ART & CRAFT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of art & craft, understand art & craft as a primary school curriculum, apply art & craft in learning process, use art & craft as a motivation in classroom settings, design simple art & craft for classroom use.

Topics: Art and Craft in Primary School Curriculum, Art and Culture, Indonesian Context of Art & Craft.

EDUC6033 – PHYSICAL EDUCATION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of physical education, understand physical education in primary school curriculum, apply knowledge and skills in physical education.

Topics: Physical Education in Primary Curriculum, Physical Education: From Theory into Practice, Teaching Physical Education for Primary Students.

EDUC6037 – TEACHING ENGLISH FOR YOUNG LEARNERS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of teaching English for young learners, understand English in primary school curriculum, apply English for teenagers pedagogy.

Topics: Teaching English for Young Learners, Characteristics of Young Learners, Pedagogy of Young Learners, English Literacy Skills for Young Learners

EDUC6040 – CHILD GAMES (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of child games, understand several child games, apply the games in learning process, use the games as a motivation in classroom settings, design simple games for classroom use.

Topics: What is Game, Games for Learning, Educative Games, ICT Based Games, Games in Primary School Subjects.

EDUC6042 – THESIS (6 Credits)

Learning Outcomes: A comprehensive and thorough Thesis on primary education issues.

Topics: Academic Writing, Final Thesis.

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: To explain the Why questions about language learning; To prepare and manage language lessons.

Topics: Five learners and five methods; What is there to learn?; Some views of language and language learning; Learners and their errors; Input, interaction, and output; Some learning processes; Individual language learners: some differences; Good language learners and what they do.

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 Psycholology & 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 (1); 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: understand the current issues in primary education, compare the best practices of primary education in international setting, conduct small research in primary education based on the current issues.

Topics: Curriculum and Pedagogy Issues, Teaching and Learning Issues, Evaluation and Assessment Issues, Classroom Management Issues, School Management Issues, System and Facilities Issues, Government Policy Issues.

EDUC8001 - INTRODUCTION TO LANGUAGE AND TESTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the basic principles in foreign language testing; Explain different assessment approach for different language skills or abilities; Select good language testing materials.

Topics: Testing, Assessment and Teaching; Purposes for Assessment; Principles of Language Testing 1: Practicality and Originality; Principles of Language Testing 2: Reliability; Principles 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 Testing.

EDUC8003 - ENGLISH FOR SPECIFIC PURPOSES: SECOND LANGUAGE LEARNING (2 Credits)

Learning Outcomes : On successful completion of this Course, students will be able to: Discuss challenges and solutions in teaching English to young learners; Teach English to young learners using appropriate methods and approaches.

Topics: Who is the young learner?**;** First and second language acquisition**;** Methods and approaches in language teaching; Teaching listening**;** Teaching speaking**;** Teaching reading**;** Teaching writing**;** Teaching vocabulary**;** Teaching grammar**;** Teaching pronunciation**;** Learning styles and strategies**;** The affective domain**;** Working with parents**;** Classroom management**;** Resources and technology support for language learning**;** Assessment and evaluation.

EDUC8004 – SCHOOL BASED MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand the basic principles of school based management; Understand school based management in primary school curriculum; Apply school based management in learning process; Conduct school based management in school system.

Topics: School Vision and Mission; School Culture and Values; School System; School Based Management: Theory and Practice.

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: Describe developmentally appropriate curriculum; Design appropriate curriculum for young learners.

Topics: Defining Developmentally Appropriate Practice Understanding Play; Planning for Developmentally Appropriate Curriculum; A Consideration of Various Curriculum Models; Developmentally Appropriate Physical Environments; Developmentally Appropriate Social / Emotional Environments; Developmentally Appropriate Cognitive / Language / Literacy Environments.

SUBJECT AREA: ENGL

ENGL6011 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: conduct the practical and empirical research with profound analysis result about 60 pages or 15,000 words.

Topics: Introduction of study; Review of related literature; Research report/analysis; Conclusion and suggestion; Summary; List of bibliography.

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 upper-beginner-level Academic English listening skills of Basic Comprehension, Pragmatic Understanding, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 11 of scale 30); Demonstrate the upper-beginner-level Academic English reading skills in Vocabulary & Reference, Sentences, Details, Inferences and Reading to learn (a minimum of iBT TOEFL Reading scaled score of 11 of scale 30); Demonstrate the upper-beginner-level Business English speaking skills in terms of Delivery, Ideas Development and Language (a minimum of BINUS English Speaking scaled score of 11 (with minimum speaking rubric mean score of 1.5) of scale 30); Demonstrate the upper-beginner-level Business English writing skills in terms of Content, Ideas Relationship and Language (a minimum of BINUS English Writing scaled score of 12 (with minimum writing rubric mean score of 1.75) of scale 30).

Topics: Basic Comprehension & Travel; Vocabulary/Reference & Quality; Basic Comprehension & Trade; Pragmatic Understanding & Competition; Vocabulary/Reference, Sentences & organizations; Pragmatic Understanding & brands; Sentences & Change; Connecting Information & advertising; Details & Innovation; Details, Inferences, & advertising; Connecting information, advertising, & innovation; Inferences & ethics; Reading to learn & Planning.

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: 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: Design routine Business Documents (Letters, Emails, Memos, etc); Design creative/persuasive Business Documents (Reports, Proposals, Ads, Leaflets, etc); Demonstrate presentations on a Website (CV, Website, Blog, or Store).

Topics: Course Overview & Basic Grammar; Basic Grammar & Online CV Overview; Business Letters & Online CV Presentation; Composing effective email ; Business Report & Online CV Presentation; Business Report & Online CV Presentation - cont.; Advertisements & Online Web Overview; Leaflets & Online Web Presentation; Letters of Complaints and Apology;Business Plans & Online Web Presentation; Business Proposal & Online Web Presentation; Sales Letters; Sales Letters.

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 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 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 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 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: Gain further practice in speaking in English; Develop a wider resource; Apply useful phrases related to functional language; Recognize phonological features of spoken English.

Topics: Sharing Personal Information; Vocabulary Development; Describing Things; Talking about Wishes, Hopes, Desires; Stating Reasons; Giving Advice; Speech; Agreeing & Disagreeing; Regulations; Technology: Astonishing Facts; Lying; Error Correction; Colours.

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; Passive Verbs; Relative Clauses Modifying Subjects; Relative Clauses Modifying Objects; Review for mid-term test; Nonrestrictive Relative Clauses; Relative Adverbial Clauses; Correlative conjunctions; Sentence connectors; Article Usage; Reference Words & Phrases; 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 relation between language phenomena and society; Analyze the language phenomena.

Topics: Sociolinguistics vs. Sociology of Language; Social factors in language change; Dialect in Society; Spoken and Written Language; The Sociolinguistics of Communication Media; Diglossia; Code-switching; Language contact and language generation: Pidgins and Creoles; Language contact and language degeneration; Language contact and language displacement; Language Conflict; Multilingualism; Language and identity.

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 untuk 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 possible studies in language, literature and culture; Compare and contrast the typical characteristics of linguistic, literary, and cultural studies; Compose relevant projects in language, literature and culture and gain related knowledge from outfield trip.

Topics: Areas of Studies & Project Ideas in Literature 4; Areas of Studies & Project Ideas in Literature 5; 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 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 Language 4; Areas of Studies & Project Ideas in Language 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 and project submission.

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 Couse, 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; Tanslating 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.

ENGL6179 - ENGLISH FOR TOURISM (2 Credits)

Learning outcome: On successful completion of this course, student will be able to: Recognize Vocabulary for the discipline; vocabulary skills such as word-building, use of affixes, use of synonyms for paraphrasing; Review By reading or listening text and skills development about Tourism issues; Write After reading or listening skills extension. In addition, in later reading units, students are introduced to a writing assignment about Tourism article; Practice Students are introduced to a spoken language point (e.g., making an oral presentation at a seminar) which is further developed. a parallel listening or reading text to that presented in previous Lesson,which students have to use their new skills to decode; in addition, written or spoken work is further practised.

Topic: What is tourism?; What's your kind of tourism?; Hospitality research; Careers in tourism and hospitality; Tourism marketing; The business of events tourism; The business of fun; Hospitality marketing; Tourism and culture; External influences; Managing people and money; Information, strategy and change; Tourism Development Issues.

ENGL6186 – INTERNSHIP (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.

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 concepts of ‘culture, ‘popular culture’ and ‘cultural studies; Explain the theories of popular culture and cultural studies; Analyze popular culture cases and phenomena with theories of popular culture and cultural studies.

Topics: Introduction; What is popular culture?; The 'culture and civilization' tradition; Culturalism; Marxisms; Psychoanalysis; Structuralism and Post Structuralism; Gender and sexuality; Race, racism and representation; Postmodernism; The materiality of popular culture; The politics of the popular.

ENGL8055 – BROADCASTING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: understand the history, management, and phase in making a broadcasting program (Television and Radio), and are able to evaluate the existing TV and Radio program.

Topics: Background of radio and TV and its social impact to individual and society; Radio and Television industry; Program and profession; Terminology, technique and devices of Radio and TV broadcast production; Principles of script writing; Audiences; Sound; Role of Image in TV broadcast production; News; Talk Show; Interview and Discussion; Music program; Commercial program; Broadcasting Law and Ethics.

ENGL8056 – EDITING (2 Credits)

Learning Outcomes: After completing this course, students will be able to: Describe the task of an editor; Select incorrect words and sentences; Demonstrate ethics and strategy in editing; Describe the advantage of editing course and its teaching learning mechanism; Apply the use of punctuation and grammar; Apply proofreading technique both manual and digital.

Topics: Introduction; System and Mechanism of editing; Editing Focus: Unclear Sentences and Translation Problems; Editing Focus: Fragments; Editing Focus: Run-Ons Sentences; Editing Focus: English Punctuation and Spelling; Editing Focus: Verbs and Tenses; Editing Focus: Prepositions; Focus Editing: Word Choice in Editing; House Style; Editing American and British English; Consistency and Word Usage; Review and Exercises.

ENGL8057 – ADVERTISING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic principles of advertising; Create a creative and strategic planning for producing an advertisement; Write a copy of advertisement text for print, broadcast, and web; Describe and choose the right design principle for advertisement; Produce a creative advertisement piece.

Topics: Basic Principles of Advertising; Advertising's Role in Marketing; Ethics and Advertising; How Advertising Works; Consumer Audience; Strategic research and planning; Media for Advertising; Media Planning and buying; Creative side and Message Strategy; Copywriting; Copywriting for Radio; Copywriting for Television; Design and Production.

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.

SUBJECT AREA: ENTR

ENTR6003 – ENTREPRENEURSHIP I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify entrepreneurs personality and innovative business idea; Analyze business model and business model environment; Prepare a business and organize the business to be involved in a business exhibition.

Topics: Entrepreneurs and Entrepreneurship; Market Overview & Idea Generation; Business Model and Business Model Canvas; Customer Insight; Develop Ultimate Value Proposition; Get In Touch with Customer (CH & CR); Business' Keys Recognizing (KP, KR, & KA); Financial Aspects of the Business (RS & CS); Product and Service Expo; Evaluating the Business Model; Organizing the Business; Business Model Environment; Final Presentation.

ENTR6004 – ENTREPRENEURSHIP II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Generate the Process nature of entrepreneurship and the management of own project; Categorize the business model and construct the business plan; Assess the business and evaluate the business plan.

Topics: Personalized Your Business Now – Redefining the Business Model; Market Segmentation of the Business; Define the Core of Your Business; Market - Case Study; Mapping the Sales Process; Value Proposition - Case Study; Designing the Business Model; Identify Key Assumptions; Product & Service Expo; Develop Product Plan; Needs/Wants of Customers - Case Study; Product Design - Case Study; Final Presentation.

ENTR6012 – INNOVATION & ENTREPRENEURSHIP (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Starting and operating a new business involves considerable risk and effort. This course analyses the entrepreneurial process in order to provide a thorough understanding of the strategies and tactics involved in turning an idea into a successful enterprise. Emphasizing the commercialization of technological innovations, the unit examines the theoretical and practical issues facing entrepreneurs and the major components of business models, and prepares technical and business professionals for careers in entrepreneurship and intrapreneurship.

Topics: Entrepreneurial Goals and Context, Recognising the Opportunity, Finding the Resources, Developing the Venture, Creating Value.

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 Credits)

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 Credits)

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: The 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; Team Presentation

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; Theability 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; Theability 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; Theability 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; Theability 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; Theability 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.

ENTR6159 – BUSINESS MODEL & VALIDATION IN GAME TECHNOLOGY (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.

ENTR6160 – LAUNCHING NEW VENTURE IN GAME TECHNOLOGY (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.

ENTR6161 – LEAN START UP & BUSINESS PLAN IN GAME TECHNOLOGY (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.

ENTR6162 – VENTURE CAPITAL IN GAME TECHNOLOGY (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; Theability 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.

ENTR6165 – HOSPITALITY 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.

ENTR6166 – 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 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.

ENTR6185 – LEAN START UP & BUSINESS PLAN IN COMMUNICATION FIELD (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.

ENTR6186 – VENTURE CAPITAL IN COMMUNICATION FIELD (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.

ENTR6187 – EES IN COMMUNICATION 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.

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; Theability 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; Theability 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; Theability 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; Theability 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.

ENTR6255 – EES IN NEW HOTEL MANAGEMENT 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.

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.

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.

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.

ENTR6312 – 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.

ENTR6318 – 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.

ENTR6329 – 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; Theability 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.

ENTR6357 – 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.

ENTR6368 – EES IN GAME 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.

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.

ENTR6380 – EES IN NEW GAME 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.

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.

ENTR6463 – EES IN NEW HOTEL MANAGEMENT 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.

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: Define 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 the ontology of film industry in Hollywood and other means of film production systems in Europe and third world cinema; Demonstrate essay writing on world film history in related context.

Topics: The course introduces students to the world film history in chronological order based on periodisation by Kristin Thompson & David Bordwell in Film History: An Introduction. This course allows students to learn about the development of technologies that is cinema and its aesthetics, social, political, and cultural impacts. The students will learn about the ontology of film industry in Hollywood and other means of film production systems in Europe. The course will expose students to discourses about film as technical, artistic, and cultural invention.

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-vizualization; Create a good scene/pre-previsualization based on storyboard.

Topics: Cinematography Fundamental; Languange 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.

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-scéne, 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-scéne 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.

FILM6047 – SCRIPTWRITING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic scriptwriting structures: three-act, turning point, twist, sub-plot, flashback, etc; Discuss story structures in screenplays; Explain and apply the basic technique of character development; Dramatize 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: As the first year's production classes are aimed to strengthen student's crafting abilities, this class lays the very basic of narrative and scriptwriting. The first element of the class exposes students to narrative development techniques, from theories, technique and formulas to create a good script by understanding and establishing script elements. The second element of the class will let students develop and discuss their own short film scripts in writing workshops. Students finish the class with script first drafts.

FILM6048 – PRODUCTION WORKSHOP I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply basic film production plan using selected scripts; Recognize the process of pre-production; 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: This course will cover the basic knowledge of film production management which includes the entire process of pre-production, including: Budget breakdown and scheduling; Hiring and working with cast, crew, and vendors; Scouting and securing locations, permits, equipment, and music; How to solve problems during productions. This course also introduces sync sound film production. Students will be mentored to produce short films from pre-production until production stages.

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 introduce 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.

FILM6052 – FILM INDUSTRY SEMINAR (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss the structure of Indonesian film business; Explain the structure of Indonesian film distribution process and channels; Discuss the structures of film business in other countries; Identify and discuss the current trend in film and media industry; Describe different backgrounds in filmmaking and their relations to the business of filmmaking.

Topics: The course aims for deeper understanding about film industry, taking a closer look at case studies with different products and target markets. Students will get insights from film industry professionals about the "real-life" situation of Indonesia's feature film, short film, and documentary production; from auteurship and indie filmmaking to mainstream movies. The course follows with exploration to film and television industry networks, local and overseas, identifying problems and potentials.

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 elective 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 cinematheque ; 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.

FILM6084 – CINEMA & SOCIAL STUDIES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe how society influences film and how film influences society; Analyze how film represents society; Explain theoretical concepts in social studies relevant to film studies; Utilize multi-disciplinary approach to analyze the interplay between society and film text; Demonstrate the ability to produce written or video essay on film & society.

Topics: This class engages students to look carefully on the relationship between film and society. Students will be exposed mainly with how society influences film and how film influences society. In this framework, film regarded as cultural object. Hence, students will be introduced to basic concepts related to cultural studies such as meaning, articulation, ideology, representation, and hegemony. Social practices of film such as propaganda film will also being reviewed in this class. This course introduce students to basic theories used in film studies in which relations between cinema and society are being framed such as race/class/gender; theories of representation; cultural capital and artistic production; orientalism and postcoloniality, etc. Students will watch films, learn about their historical contexts, and subsequently dissect them in details using the concepts.

FILM6085 – FILM PRODUCTION INTERNSHIP (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 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 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 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 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.

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.

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; 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; Recognize current film industry both nationally and internationally.

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 : Prefered 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 Financial Management Process, Calculate Financial Performance, Analyze Financial Planning, Apply Asset Management and make capital budgeting decision, Calculate Capital structure and international managerial finance.

Topics: Overview Of Managerial Finance, Overview Of Managerial Finance 2, Financial Statement and analysis 1, Financial Statement and analysis 2, Time Value Of Money 1, Time Value Of Money 2, Risk and Return 1, Risk and Return 2, Interest rates and Bond valuation 1, Interest rates and Bond valuation 2, Stock Valuation 1, Stock Valuation 2, Capital Budgeting Cashflows 1, Capital Budgeting Cashflows 2, Cost Of Capital 1, Cost Of Capital 2, Leverage and Capital Structure 1, Leverage and Capital Structure 2, Dividend Policy 1, Dividend Policy 2, Working Capital Management 1, Working Capital Management 2, Special Topics In Financial Management, Special Topics In Financial Management 2, Overview Of International Managerial Finance, Overview Of International Managerial Finance 2.

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; Define the capital market instruments and the trading mechanism; Define the Islamic capital market instruments and the trading system; Define Money Market as Part of Financial Market; Explain Money market Instrument and Its Trading Mechanism.

Topics: Financial Market; Definition and History Of Capital Market; Regulatory Institution Of Capital Market; Marketable Security; Trading Mechanism In Capital Market; Corporate Action; Islamic Financial Market; Introduction

To Money Market; Regulatory Institution In Money Market; Money Market Instrument; The Foreign Exchange Market; Hedging with Financial Derivatives; Summary Of Money Market, Foreign Exchange and Financial Derivatives.

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 and prospective 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.

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.

FINC6048 – TREASURY MANAGEMENT (2 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.

FINC6072 - REAL ESTATE AND ALTERNATIVE INVESTMENTS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain basic concept of real estate investment, real estate financing; Calculate mortgage loans; Analyze income producing properties; Analyze investment, financing alternatives for decision making

Topics: Real Estate Investment: Basic Legal Concepts; Real Estate Financing: Notes and Mortgages; Mortgage Loan Foundations: The Time Value of Money; Business Model Canvass; Business Model Environment; Fixed Interest Rate Mortgage Loans; Adjustable and Floating Rate Mortgage Loans; Mortgages: Additional Concepts,

Analysis, and Applications; Income-Producing Properties: Leases, Rents, and the Market for Space; Cost Structure to Operate a Business Model; Valuation of Income Properties: Appraisal and the Market for Capital; Revenue Streams Building Block; Financial Leverage and Financing Alternatives; Investment Analysis and Taxation of Income Properties; Evaluating Business Models; Disposition and Renovation of Income Properties; Financing Corporate Real Estate; Project Report Presentation

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: Define the nature and purpose of accounting; Explain the nature and purpose of basic financial statements; Demonstrate the basic elements of financial statements; Formulate the main tools of accounting used for decision making purposes; Analyze the basic concept of costing and pricing.

Topics: Introduction to Accounting and Finance; Application and Exercises on Basic Accounting; Basic Financial Statements – Income Statements; Application and Exercises on Income Statements; Basic Financial Statements – Balance Sheet; Application and Exercises on Balance Sheet; Basic Financial Statements – Statement of Cash Flows; Application and Exercises on Statement of Cash Flows; Managing Cash and Accounts Receivables; Application and Exercises on Managing Cash and Accounts Receivables; Managing Accounts Payable; Application and Exercises on Managing Accounts Payable; Budgeting and Cost Control; Application and Exercises on Budgeting and Cost Control; Profitable Pricing; Application and Exercises on Profitable Pricing; Assessing Actual Performance; Application and Exercises on Assessing Actual Performance; Other Finance and accounting issues – Taxation; Application and Exercises on Taxation; Other Finance and accounting issues – Leasing; Application and Exercises on Leasing; Other Finance and accounting issues – Capital Budgeting; Application and Exercises on Capital Budgeting; Planning for the Profitable Restaurant; Application and Exercises on Profitable Restaurant.

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 scare 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 scare 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 nature and the importance of value creation and the manager's role in creating Value for the firm's owners; Analyse the financial market and financial statements, including the balance sheet, income statement, and statement of cash flow, and ratio analysis; Examine how risk affects value and how the timing of cash flows effects their value; Examine the capital budgeting concepts;Examine financial planning for hospitality entrepreneur and how to manage an enterprise's working capital; Examine the concepts of assets management, leasing and franchising for the hospitality business.

Topics: Syllabus Explanation; Financial Markets and Raising Financial Capital; A Brief Review of Financial Statements; Financial Statement Analysis; Financial Statement Analysis (cont.); Risk and Value in the Hospitality Firm; The Timing and Value of Cash Flows; Valuation & Required Rates of Returns & Capital Expenditure Analysis; Other Project Valuation Criteria & Issues in Capital Structure Management; Financial Planning for the Hospitality Entrepreneur; Managing an Enterprise's working Capital; Asset Management in the Hospitality Industry & Leasing; Expansion Via Franchising & Via Management Contracts.

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 Enviroment; 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 Enviroment; 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 Enviroment 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 Enviroment; Customer Insight and Market Analysis; The Time Value of Money; Financial Statements and Ratio Analysis; Business Model Environment and Strategy; 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/Services; Leverage and Capital Structure; Working Capital and Current Assets Management; Current Liabilities Management; Merger, LBOs, Divestitutes, and Business Failure; Design Process; Hybrid and Derivative Securities; Evaluation Products/Services Prototype

FINC7074 - RISK MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the basic knowledge of commercial banking's activities and their trading in financial market as well as estimating the risk involve in these activities; Calculate the concept of interest rate risk, market risk and valuing the risk and expected shortfall; Calculate credit risk and estimating the default probabilities to estimate amount of capital required; Analyze the concept of liquidity risk and operational risk.

Topics: Introduction to Risk and Return; Commercial Banking and Its Business Activities; Trading in Financial Market; Valuation and Scenario Analysis : The Risk Neutral and Real World; Interest Rate Risk; Managing Risk of Trading; Value at Risk and Expected Shortfall; International Banking Regulations : Basel I, Basel II and Basel III; Managing Credit Risk; Estimating Default Probabilities; Credit Value at Risk; Operational Risk; Liquidity Risk.

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; Business Plan Preparation; Analysis of Financial Statements; Financial Aspect of Business; Macroanalysis and Microvaluation of the stock market; Industry analysis; Company Analysis and Stock Valuation; Bond Fundamentals & Valuation of bonds; Develop A Business Plan; Introduction to Portfolio Management; Introduction to Asset Pricing Models; Equity Portfolio Management Strategies; Bond Portfolio Management Strategies; Strategic Future Plan; Evaluation of Portfolio Performance; Option Contracts; Forward and Futures Contracts; Your Business Now; Professional Money Management and Alternative Assets; Business Plan Evaluation.

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, compotition, and structure; Describe about fundamental concepts and chemical principles of micro components (vitamins, minerals, pigments, flavors, food additives, and toxis components) related to matter and its interactions, the historical development, compotition, 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: Explain the chemical properties which underlying the properties and reactions of various food components; Explain the principles of the techniques and methods of various types of food analysis; Perform various types of techniques and methods of food analysis; Distinguish the principle of variety techniques of analysis; Select food analysis techniques and methods appropriate to the type of food product.

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: Understand the basic principles of sensory to observe/measure food characteristics and acceptability. Testing of products in development and marketing. Sensitivity sensory segmentation test.

Topics: The use of human sense to observe/measure food characteristics and acceptability of food and its application in quality control and research, introduction organoleptic properties, sensing mechanisms, sensory, stimulation, man as a panelist, organoleptic laboratory, panel preparation and selection, sample preparation in sensory testing; sensory testing methods; and statistic application in sensory data processing.

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: Describe food safety problems and solution, microbial growth kinetic and measurement and intrinsic and extrinsic factors affecting the growth of microbes in foods; Identify microorganisms and their application in the food; Relate food spoilage during preparation, processing and storage to potential spoilage microorganisms; Differentiate the roles of bacteria, mycotoxin, viruses and parasites to foodborne diseases, and compare pathogens that cause infection and intoxication; Define and use the the principles of sanitation, heat treatment, irradiation, modified atmosphere, antimicrobial preservative and hurdle concept to control microbial growth; Define and use the principles of sampling and sample preparation in microbiological analysis and Evaluate the microbiologial quality of foods by qualitative and quantitative microbiological analyses

Topics: Microbial detection and food safety; Introduction to Microbes in Foods; Microbial Growth; Beneficial Uses of Microorganisms in Food; Microbial Food Spoilage; Microbial Foodborne Disease; Control of microorganisms in foods.

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: Understand the basic concepts and application of all aspects of quality and technology in standardization, quality control and assurance.

Topics: Definition of quality, quality control, quality assurance and quality management. Designer quality, cycle quality improvement, organizational, communication and cooperation. Development of the quality management system, ISO 9000 and 14000 series, as well as TMQ food safety and quality assurance (hazard Analysis and Critical Control Points).

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: Describe describe a basic knowledge and understanding about principles of food biochemistry, organization and composition of eukaryotic cells, functional role of subcellular organelles and membranes, and biochemistry of water; Explain about the biochemical aspects of carbohydrates, proteins and Lipids,as a macronutrient in food, and the related with food processing; Explain about general concepts of biotechnology and enzymology, general properties of enzymes, enzymes activities, and enzymes in food processing; Illustrate about general concepts of biotechnology and enzymology, general properties of enzymes, enzymes activities, and enzymes in food processing. And describe about Food safety and food allergens particularly in Food Additives, Toxic constituent of foods and Adulterants; Identify of Physicochemical, biochemical changes, Effect of Processing, and Storage on Food Components; Identify the principles of food analysis and Analytical techniques in food biochemistry

Topics: introduction; Carbohydrate; Protein; Lipids (Fats and Oils) ; Enzymes in Food; Vitamins; mineral; Pigments and Flavonoids; Food safety and food allergens : Food Additives, Toxic constituent of foods and Adulterants; Physicochemical and Biochemical changes; Effect of Processing and Storage on Food Components; Principles In Food Analysis.

FOOD6013 - METABOLISM OF FOOD COMPONENTS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand the basic principles of nutrient metabolism from the source of nutrients, nutrient function, and the role of nutrients for growth and development.

Topics: Materials provided include sources of nutrients, nutrient function, and the role of macro-nutrients (carbohydrates, protein, fat), and micronutrients include components (vitamins, minerals), metabolism of nutrients include food digestion and absorption by the body organs and distributed to the cells where the process further metabolism, enzymes and hormones involved and the factors that influence the inhibition of metabolic processes as well as the relationship with the deficiency or excess of nutrients and metabolic errors.

FOOD6014 - NUTRITION AND BIOLOGICAL EVALUATION OF FOOD COMPONENT (2/1 Credits)

Learning Outcomes: Students are able to understand this course includes evaluation of food-related biological functions.

Topics: Factors affecting the nutritional value of food (compound antinutritional, handling, processing, nutrification etc). Overview of the eating habits and diet. The presence of nutrients in fresh foods and changes during harvesting, storage, purification, and processing which includes: blancing, baking, cooling/freeze, drying, fermentation, radiation, addition of preservatives and packing. Nutrifikasi food with the addition of protein, vitamins and minerals, as well as the factors that influence the utilization of nutrients in the body element. This course covers the evaluation of food-related biological functions. Evaluation techniques include bioavailability, digestibility, absorption and cellular functions of nutritional and non-nutritional components and bioactive compounds including dietary fiber, pigments and phytochemicals in food. Evaluation of the safety, efficacy and biological mechanisms in the body content of bioactive compounds for food and how to test it. Testing in vivo, in vitro or in cell tissue culture and animal models and humans. Evaluation function that will be covered include the functions of digestion, absorption and distribution: vascular, neural, hormonal, immune system, enzyme systems and others.

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 Enginnering 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: Describe the principles of Cereal and legume Processing Technologies, Fruits and Vegetables – Processing Technologies and Application, Dairy Processing Technology and its Derivatives, Egg Product Processing Technology, Fat and oils, Aquatic food product, Meat Processing Technology, Poultry Processing and product , Confectionary Product Processing Technology, Beverage Processing Technology, Bakery and Snack Processing Technology; Differentiate the principles of Cereal and legume Processing Technologies, Fruits and Vegetables – Processing Technologies and Application, Dairy Processing Technology and its Derivatives, Egg Product Processing Technology, Fat and oils, Aquatic food product, Meat Processing Technology, Poultry Processing and product , Confectionary Product

Processing Technology, Beverage Processing Technology, Bakery and Snack Processing Technology; Apply the principles of Cereal and legume Processing Technologies, Fruits and Vegetables – Processing Technologies and Application, Dairy Processing Technology and its Derivatives, Egg Product Processing Technology, Fat and oils, Aquatic food product, Meat Processing Technology, Poultry Processing and product , Confectionary Product Processing Technology, Beverage Processing Technology, Bakery and Snack Processing Technology; Design and generate a concept for new food product development

Topics: Cereal and legume Processing Technologies; Fruits and Vegetables – Processing Technologies and Application; Dairy Processing Technology and its Derivatives; Fat and oils; Aquatic food product; Meat Processing Technology; Poultry Processing and product; Confectionery Product Processing Technology; Beverage Processing Technology; New Food Product Development; ENTRE; Bread And Other Yeast-Risen Products

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: Explain about basic principles of food packaging such as definitions, functions, emerging food packaging technologies, labeling and sealing system, and deteriorative reaction in foods; Illustrate about various types of packaging materials, including characteristics, properties, and interaction between food and packaging materials; Apply the various types of packaging materials to the various types of food products; Interpret the novel food packaging innovation such as aseptic packaging system, active and intelligent packaging and modified atmosphere packaging; Predict the self life of food with interpret the safety aspects, regulation and legislation, and waste management in food packaging.

Topics: Introduction to food packaging; Plastic and Thermoplastic polymers; Edible, Biobased and biodegradable food packaging materials; Food Packaging Materials; Labeling of packaging materials and food packaging closures and sealing system; Deteriorative reaction in foods; Aseptic packaging of foods and packaging of microwavable foods; Modified atmosphere packaging; Active and intelligent packaging; Packaging of flesh foods, dairy products; Packaging of horticultural products, cereals, snack foods, confectionery, and beverages; Shelf life of foods; Regulation and Legislative, safety aspects of food packaging, and waste management.

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: Understand the basic principles of Bioprocess Technology, and students are expected to choose a good strategy planning bioprocess through pragmatic approaches-empirical, systematic-empirical in increasing Bioprocess productivity.

Topics: Definition of Bioprocess, Kinetic analysis and modeling of reaction on the bioprocess microbial system, enzymatic, animal and plant cell culture, bioprocess planning strategies, pragmatic approaches-empirical, systematic-empirical in increased productivity Bioprocess include continuous culture system, semi-continuous, immobile cell density high, recycling, extraction, delivery optimization, bioprocess control and automation. Essential biological basics: microorganism structure and functions, major metabolic pathways, enzymes, microbial genetics, kinetics, and stoichiometry of growth.

FOOD6024 - RESEARCH METHODOLOGY & SCIENTIFIC WRITING (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Improve technical skills of students in the form of proposal writing (Determination problem, identification of variables, experimental design, and others) in the field of food technology or scientific writing and presenting the results or interpretation of the data obtained.

Topics: This course presents ways of doing scientific research, including the direction and objectives of Scientific Methods, Knowledge, Knowledge of basic terms, how to seek Knowledge, Science Concepts, Process Thinking, Scientific Reasoning, Ethical writing, Quotation Library, Preparation of Bibliography, Library Search. Determination of the problem, identifying research variables are able to design experiments and experiments with various types of experimental design such as RAL, RAK, factorial, experimental non-parametric test (Friedman test, Kruskall Wallis, Wilcoxon and different test: t test, LSD, HSD, polynomial, RSM and DMRT) and non-experimental design, observation and data collection, interpretation of results of analysis of the experiment.

FOOD6025 - EXPERIMENTAL DESIGN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Using the methods of sampling include simple random sampling, random strata, groups and systematically with examples of its application in the survey. Various experimental design including a perfectly randomized design, randomized complete block design, latin square design, and the split plot design with examples of its application for the experimental field of food or processing of agricultural products; diversity of analytical methods, including selection and disclosure of data, the use of standard deviation, hose reliable; trend analysis method includes linear and non linear regression, linear curve and multi- variant.

Topics: Sampling methods include simple random sampling, random strata, groups and systematically with examples of its application in the survey. Various experimental design including a perfectly randomized design, randomized complete block design, latin square design, and the split plot design with examples of its application for the experimental field of food or processing of agricultural products; diversity of analytical methods, including selection and disclosure of data , the use of standard deviation, hose reliable; trend analysis method includes linear and non linear regression, linear curve and multi variant.

FOOD6026 - INNOVATION AND CREATION OF FOOD PRODUCT (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Improving the students ability to create and develop new food products is innovative and distinctive of Indonesia with high creations.

Topics: This course presents concepts in the development of food and agricultural products, and fisheries: realizing the idea selection and innovative new food products and creations that can be fully accepted by consumers covering aspects of technology, engineering, sensory, management and market.

FOOD6027 - PLANNING AND PLANT DESIGN (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Know the purpose and scope of plant design. Train the students' ability to evaluate in a systematic and careful design of aspects of plant.

Topics: Materials provided include purpose, planning, and scope of plant design, design factors, understanding the translation of basic operations to the design process. Definition of capacity, equipment selection process, the arrangement of the equipment required of the building that can meet the demands of the process and plant site selection, economic feasibility analysis, evaluation of procurement of raw material supply of power, the determination of the capacity of the process equipment, sanitary V and hygiene, and others.

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 than regulation and legislation about of functional foods; Describe about the bioactive properties of major nutrients (Carbohydrates, proteins, lipis, 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 semala 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 deparment 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 communicaton; 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 deparment 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, cromatography and other.

FOOD6041 - WORK ETHICS IN FOOD INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, students will 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 harmfulnpathogens 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, 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 about concepts of operation units (heat and mass transfer, fluid flow, and separation) and thermophysical properties such as thermal principles and reaction kinetics in food processing industry; Apply about concepts of common food preservation and processing technologies (such as dehydration, 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 plant materials into intermediate or finished value-added food products that are safer to eat, nutritious, and good quality in food industry; Identify about food processing methods which can be used for animal materials into intermediate or finished value-added food products that are safer to eat, nutritious, and good quality in food industry; Identify about food processing methods which can be used for marine materials into intermediate or finished value-added food products that are safer to eat, nutritious, and good quality in food industry.

Topics: Introduction to Principles of Food Processing; Thermal Principles and Kinetics; Separation and Concentration Technologies in Food Processing; Dehydration; Chilling and Freezing of Foods; Fermentation and Enzyme Technologies in Food Processing; Nanotechnology for food : Principles and Selected Applications; Crops-Cereals and Legumes; Processing of Fruit and Vegetables; Milk and dairy; Eggs and Egg Products Processing; Fat and oil- plant and animal based; Aquatic food product; 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: Explain the fundamental concepts and terminologies of Game Technology; Explain the fundamental concepts and terminologies of ICT; Discuss the future of ICT; Explain the guidelines of system development and its tools; Describe each components of Computer Technology; Demonstrate utilization of ICT in daily processes.

Topics: Introduction to Computer; Introduction to Game Technology; Games Genres; Internet and WWW; Application Software; The Component of System Unit; Input and Output; Communication and Networks; Storage; Database Management; Operating Systems, Utility Programs, and Computer Security; Computer and Game Industry and Careers.

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: Introduction to Game Design; Design Component and Process; Game Concept; Game Worlds; Creative and Expressive Play; Character Development; Storytelling and Narrative; Gameplay; User Interface; Core Mechanics; Game Balancing; Level Design; Game Design for Various Genres.

GAME6004 - OBJECT ORIENTED GAME PROGRAMMING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the features of OOP; Differentiate the differences between conventional programming and OOP; Design a program architecture using features of OOP; Construct a program using features of OOP.

Topics: Introduction to OOP and Java; Basic Java Programming; Control Structure; Encapsulation; Inheritance; Polymorphism; Exception Handling; Collection; Files, Streams, and Object Serialization; Multithreading; Design Pattern in Game Programming; Introduction to Java2D

GAME6012 – USER EXPERIENCES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept and the principle of user experience design; Create a user experience design for application and games; Apply user experience best practices to be part of game design.

Topics: Introduction to User Experience; Aesthetic of User Experience; Playful Interaction; Subtle Interaction; Gamified Interaction; Good UX Design; Information Architecture; Emotional Design; Approaches to User Experience Design (Look and Ask); Approaches to User Experience Design (Learn & Try); Experience Prototyping; Evaluating User Experience; UX Review.

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.

GAME6033 - STORYBOARDING & 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; Distinguish Art used in Game Design.

Topics: Fundamentals Game Art; Creating Game Layout Chart; The Thumbnail Sketch; The Storyboard; Drawing Storyboard; Level Layout; Illustrating Environments; Quick Character Sketches; Creating Character Sketches; Creating Character Model Sheets; Designing GUI; The Design Document.

GAME6043 - 3D MODELLING FOR GAMES (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct a simple 3D model: Apply texture for 3d model; Modify shape and settings to create other game objects; Discover many ways to solve creating models.

Topics: Introduction to 3D Modeling; 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.

GAME6050 - GAME ENGINE PROGRAMMING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the feature of 3d game; Design program architecture using features of game engine; Analyze feature and technique in 3d game; Construct program using 3d game engine

Topics: Introduction to Game Development; UI Basics; Terrain Generation; Trigger and Collision; Managing State; Physics; User Interface; Sound and Animation; Game Environment; Gameplay; Storage; Particle and Effect; Review.

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.

GAME7029 - 2D GAME PROGRAMMING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Create 2D game for PC platform; Apply best practices of 2D game development; Design 2D game for PC platform.

Topics: Introduction to 2D game development; 2D game scripting; 2D game environment and world development; 2D game characters and animation; 2D game movement and control; 2D game basic artificial intelligence; 2D game user

interface; 2D game effects and particle; 2D game physics; 2D game audio; 2D game save and load state; 2D game publishing; Review.

GAME7044 - 2D ANIMATION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic principle of animation; Design asset requirements for object animation; Draw objects to create a flow animation.

Topics: Animation Overview; Squash and Stretch; Anticipation; Staging; Straight Ahead Action and Pose to Pose; Follow Through and Overlapping Action; Slow in and Slow Out; Arcs; Secondary Action; Timing; Exaggeration; Solid Drawing; Appeal.

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: Define the principle and different interest of tourism, its organization, and its Global Code of Ethic; Identify characteristic and different type of Tourism and Hospitality establishment; Describe the function and responsibility of major departments in Hotel Industry; Discover the current and future trends in Tourism and Hospitality Industry.

Topics: Tourism In Perspective; Career Opportunities in Tourism and Hospitality Industry; Global Code of Ethics for Tourism (Principle 1-5); Global Code of Ethics for Tourism (Principle 6-10); Indonesia Tourism; Tourism Organizations; Passenger Transportation; Hospitality Related Services & Organizations in the Distribution Process; Gender and Tourism; Tourism Categories; Various Interest of Tourism I; Various Interest of Tourism II; Accessible Tourism; Sustainable Development of Tourism; Hospitality; Hotel Business; Food and Beverage Operations I; Food and Beverage Operations II; Restaurant Business; Restaurant Operations; MICE (Meeting, Incentive, Convention and Exhibition); Rooms Division; Rooms Division Operations I; Rooms Division Operations II; Back of the House of Hotel I; Back of the House of Hotel II.

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).

HTMN6006 - ROOMS DIVISION OPERATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define Graduate will be able to define Front Office and Housekeeping Departments in Hotel Operations; Explain Graduate will be able to explain all of Front Office and Housekeeping Sections in Hotel Operations with their duties and responsibilities; Practice Graduate will be able to practice the basic cleaning duties in Housekeeping Departments and also apply the Front Office standard operation procedure.

Topics: Introduction to Front Office Department and Job Description; Relation between Front Office department dan Housekeeping Department; Introduction to Reservation Section; Check In System and Procedures; Check Out System and Procedures; Guest Relation Officer and Butler Service; Introduction to Housekeeping Department; Introduction to Public Area Section; Areas of Housekeeping Responsibilities; Introduction to Room Section; Room Classification and Room Facilities; Introduction to Laundry Section; Linen and Uniform Section.

HTMN6007 - FOOD AND BEVERAGE SERVICE OPERATION (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Illustrate important factors in a restaurant operation and basic elements to consider when operating a restaurant business; Generalize promotional ideas and marketing strategy for restaurant industry; Perform a deep understanding of how to manage a restaurant operations and their human resources development; Predict restaurant sales and prepare financial report according to industrial requirements; Organize the restaurant challenges on legal aspects, restaurant lay out, equipment, engineering and facility maintenance; Examine restaurant and banquet trends business.

Topics: Introduction to Restaurant and Bar System, Lay out, Equipment and Utensils; Standard Operation Procedures, Point of Sales System (MICROS); Restaurant and Bar Operation I; Restaurant and Bar Operation II; Restaurant and Bar Operation III; Restaurant and Bar Operation IV; Sales Techniques; Cost Control and Methods of Payment I; The Menu; The Menu II; Banquet and Function I; Banquet and Function II; The Art of Cooking; The Art of Cooking II; Breakfast , Room Service, Understanding the guest I; Breakfast , Room Service, Understanding the guest II; The study of beverages I; The study of beverages II; Platter service I; Platter service II; Gueridon Service I; Gueridon Service II; Flambe Service I; Flambe Service II; Buffet Service I; Buffet Service II.

HTMN6008 - KITCHEN OPERATION (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Organize what kind of skill you must have at the kitchen; Operate tools and equipment at the kitchen; Apply the concepts and operational procedures for food; Describe basic knowledge about food plating and garnish, stock, sauce, meat, poultry and game birds, Pastry and Bakery; Produce menu, organize, and display the food processing related to the Continental menu; Explain about food hazard and food safety.

Topics: The Organization of Modern and Classical Kitchen, with Tools and Equipment; Basic Cooking Principles - Mise en Place and Herbs; Potato and other starches; Salad and Dressings; Larder Cookery; Pasta; How to Make Stock; Vegetables Cookery; Food presentation and Garnish; Understanding Meat, poultry, game, Fish and Shellfish; Understanding Pastry; Understanding Bakery**.**

HTMN6009 - ASIAN CUISINE (2/4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify general and Asian Cuisine specific kitchen equipment, utensils and their uses; Define Asian culinary terms used in basic Asian cuisine; Describe Various Styles of Asian cuisine; Identify the presentation techniques used in variety of Asian cooking.

Topics: Basic Principles of Asian Cuisine; India & Pakistan; Srilanka; Indonesia; Malaysia; Singapore; China; Korea; Japan; Burma, Cambodia & Laos; Vietnam; Thailand; The Philippin.

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.

HTMN6012 - FOOD NUTRITION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the value and function of Food Nutrition; Create food with special dietary requirement; Formulate Lifecycle nutrition; Estimate nutrition needs.

Topics: Introduction to Food, Nutrition and Health; Introduction to Human Nutrition; Macronutrient, Dietary Reference Intake; The Vitamins, general concept, sources, function, deficiency; Minerals and Trace Elements, bioavailability of nutrients; Inhibitors (trypsin, phytate in foods); Measuring Food Intake; Food Composition; Food and Nutrition : Policy and Regulatory Issues; Nutrition Research Methodology; Food Safety : A Public Health Issue of Growing Importance : from farm to table; Food and Nutrition - Related Diseases : The Global Challenge.

HTMN6013 - CATERING MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Manage Catering Operation, Food, Beverage, and Equipment; Design menu and proposal; Calculate menu pricing and control.

Topics: Historical Banqueting; Styles of Catering Operations; Catering Food Service Development; Catering sales and Marketing and Computer Software Support; Catering Menu Program; Food and Beverage Operational Controls; Catering Menu Pricing and Controls; Catering Menu Design; Catering Beverage Management; Quality Service and Standards Training; Managing Catering Equipment; Review; Catering Project.

HTMN6014 - FRONT OFFICE OPERATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Name the types of Hotel, Hotel Organization and Front Office Organization; Explain the job description of each section in Front Office and the managerial role; Apply the Front Office standard operation procedure; Calculate the revenue, room occupancy.

Topics: Types of Hotel, Hotel Organization and Front Office Organization; Interdepartmental Communications; Property Management System; Reservation; Guest Registration; Managing the Financials; Guest Check-out; Night Audit; Revenue Management; Managing hospitality; Training for hospitality; Promoting in-house sales; Security.

HTMN6015 - HOUSEKEEPING OPERATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define Housekeeping Department in Hotel Industry; Explain all of Housekeeping Sections with their duties and responsibilities; Practice basic cleaning duties in Housekeeping Operations.

Topics: Introduction to Housekeeping Department; Introduction to Public Area Section; Public Area Section; Introduction to Room Section; Room Section Assignment; Room Assignment; Supervisory Housekeeping; Housekeeping Administration and Order Taker; Butler, Turn Down Services and VIP Treatment; Introduction to Laundry Section; Laundry Washing Method; Safety and Security in Housekeeping Department.

HTMN6016 - BAR AND BEVERAGE OPERATION (2/4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Differentiate the types of bar and beverage; Examine the essential aspects related to bar and beverage management; Propose the potential showcase business project.

Topics: The Beverage Industry, Yesterday and Today; Responsible Alcohol Service; New Product/ Service Development; Creating and Maintaining a Bar Business; Bar Equipment; Spirits I : Whiskey; Spirit II : Vodka; Spirit III : Rum; Spirit IV : Gin; Spirit V: Tequila; Wine Appreciation, Sales and Service; Consumer Insight and Market Analysis; Beer; Mixology; Business Model Environment and Product Prototype; Sanitation and Bar Setup; Employee Management; Design Process; Purchasing, Receiving, Storage and Inventory; Planning for Profit; Product/ Service Evaluation; Managing Your Bar Business; Regulations; Liqueurs; Sparkling Wine; Grappa.

HTMN6017 - RESTAURANT MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Illustrate a systems approach to a food service organization along with deep understanding of quality assurance and process improvement program; Generalize the primary control of food service systems and impact all of components of the system; Construct the business plan and evaluate the business model; Distinguish the good decision-making process and communication in the balance of foodservice systems model; Predict marketing wants and needs in designing products/ services that will be profitable and meet those wants and needs; Examine process of successful foodservice organization will serve quality products and services that satisfied employee and customers, and will be financially accountable.

Topics: Restaurant Management 1; Restaurant Management 2; Bar Management 1; Bar Management 2; Developing the Concept 1; Developing the Concept 2; Purchasing 1; Purchasing 2; Storage 1; Storage 2; Food and Beverage Cost Control 1; Food and Beverage Cost Control 2; Menu Engineering 1; Menu Engineering 2; Staffing Issues 1; Staffing Issues 2; Trends and Development 1; Trends and Development 2; Restaurant Certification 1; Restaurant Certification 2; Bar Certification 1; Bar Certification 2; Presentation 1; Presentation 2; Presentation 3; Presentation 4.

HTMN6019 - INDONESIAN CUISINE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify Indonesian cooking methods; Use Indonesian authentic kitchen equipment and utensils; Demonstrate preparation and cooking techniques, food quality and characteristics.

Topics: Home of Exotic Spices; Ingredients of Indonesia; Taste of Indonesia; The Indonesian Chillies; Traditional Beverages; Snack & Street Foods; Sumatran Dishes; Javanese Dishes; Madura & Bali Dishes; Kalimantan Dishes; Sulawesi Dishes; Eastern Indonesia Dishes; Taste of the Feast.

HTMN6020 - PASTRY AND CAKE DECORATION (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Explain the functionality of the equipment and basic materials used in making bread, cakes and chocolate; Describe the processing of bread, cakes, chocolate; Demonstrate how to make bread, cakes chocolate, Propose business plan and the showcased potential business project, design and evaluate Business Plan.

Topics: Mise en place; Basic dough; Yeast bread; Flatbread, crakers, and roll; Breakfast bread and pastry; Customer profiles of pastry, Bakery and chocolate; Cookies; Tea cake, Pound cake, Muffin; Who are our 10 pastry, bakery and chocolate customers; High specification in the pastry, bakery and chocolate business; Basic chocolate work and decorating techniques; Individual pastries; Quantifying the value propositions of pastry, bakery and chocolate prods-services; Chocolate, pudding, and mousses; Ice cream and sorbets; Where is your positions_chart your competitive position; Sauce, syrup, and fillings; Designing business model of pastry, bakery, and chocolate business; Sponge cake and cake bases; Decorated cakes; Plated dessert.

HTMN6022 - FRONT OFFICE MANAGEMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define The Essentials of Room Division Management; Examine The two basic management functions of Rooms Division: Front Office and Housekeeping Operations; Analyze The Room Division Basic Skill Operation and Management**.**

Topics: Introduction to Room Division Management; Typical Job Responsibilities of Department Managers; Function and Staffing the Front Office; Effective InterDepartmental Communications; Property Management System; Reservation System; Guest Registration; Maintaining Guest Loyality; Guest Checkout; The Night Auditor; Promoting In-House Sales; Managing Hospitality; Security; The Executive Housekeeper as Department Head; Management Concept and Responsibilities; Organization of the Housekeeping Department; Areas of Housekeeping Responsibility; Management of of Inventory and Equipment; Furnitures, Fixtures and Equipment; Laundry Room Management; Recruiting, Selecting, Hiring; Employee Evaluation and Compensation; Safety and Security in Housekeeping; The Risk of Infectious Disease; Water and Electricity Conservation; Evironmental Concerns.

HTMN6023 - THE ART OF WINE AND COFFEE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the concepts of Wine and Coffee operations and management; Differentiate the product in Beverage industry; Demonstrate Wine and Coffee Making, Service, and Selling techniques in Beverage Industry; Propose business plan and the showcased potential business project; Classify Ideas and challenges to the feasibility of Wine and Coffee operations and Management.

Topics: introduction of wine; Grape Varieties; Red Wine; White Wine; Rose Wine; Sparkling and Champagne; Fortified Wine; Introduction of Coffee; Arabica; Robusta, Liberika, Exelsa; Manual Brew 1; Manual Brew 2; Manual Brew 3.

HTMN6025 - RESEARCH METHODOLOGY IN HOSPITALITY (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the steps of research and explain step by step; Make or write a proposed research; Create the instrument for collecting data; Choose the collecting data methods for research; Analyze and interpret data results; Understand how to write report research.

Topics: Introduction to Research; Scientific Investigation; The Broad Problem Area; Theoretical Framework; Elements of Research Design; Measurement of Variables; Measurement; Data Collection Methods; Experimental Design; Sampling; Quantitative Data Analysis (Descriptive Statistics); Quantitative Data Analysis (Hypothesis Testing); The Research Report.

HTMN6030 - FACILITY MANAGEMENT IN HOSPITALITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Examine values, attitudes and facilities trends, as well as concept design concerns including hotels, resort and restaurant; Evaluate principles of contemporary Green Concept of Sustainability in Hospitality Facilities Planning Design and architectural plans; Identify basic design considerations for hotel and restaurant using appropriate analysis for the market segment; Apply all concept in business plan for hospitality facilities and explain the design and development process commonly experienced for hospitality facilities, as well the activities that occur during each phase of this process.

Topics: Introduction to Hospitality Facilities Planning and Desiign; Organization and Marketing; Facility Programming and Cost Analysis; Building Plan; Hotels Facilities Building and Exterior; Guestrooms and Suites Design; Restaurant Design; Public Facilities, Back-of-The House and Technical Installation; Environment Sustainability (Green Concept Facilities Planning and Design); Business Plan.

HTMN6031 - FINAL PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Develop and execute an appropriate time plan based project aligned with the Hotel Operation Streaming Program and deal with the inevitable changes which occur during the project period; Undertake a literature survey of the background information relevant to the project using library and other resources; Execute a project producing progress reports and meeting necessary deadlines; Deliver a presentation which summarises the essential scientific and practical aspects and outcomes of the project to the appropriate deadline; Produce a final project report which details the essential scientific and practical aspects and outcomes of the project to the appropriate deadline; The student will be aware of ethical issues in relation to plagiarism.

Topics: Trend Issues in Hotel, Restaurant and Bar; Food and Beverages cost control; Food and Beverages services; Mixology and experimental research; Service Quality in hotel and restaurant industry; HRD in hotel and restaurant; Marketing and Finance in Hotel and Restaurant; Purchasing and Inventory in Hotel and Restaurant; Business Plan for Hotel and restaurant.

HTMN6032 - FINAL PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Develop and execute an appropriate time plan based project aligned with the Culinary Arts Streaming Program and deal with the inevitable changes which occur during the project period; Undertake a literature survey of the background information relevant to the project using library and other resources; Execute a project producing progress reports and meeting necessary deadlines; Deliver a presentation which summarises the essential scientific and practical aspects and outcomes of the project to the appropriate deadline; Produce a final project report which details the essential scientific and practical aspects and outcomes of the project to the appropriate deadline.

Topics: HACCP; Food cost control; Food product innovation; Kitchen tools equipment; Menu engineering; HRD in kitchen department; Storing and inventory in kitchen; Business plan in catering management; Standard recipe analysis.

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 Cedits)

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 II (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.

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' basic concepts, perspectives, issues and actors; Describe the International Relations' basic concepts, perspective, issues and actors; Apply the acquired knowledge into case studies; Analyze the international affairs based on International Relations perspectives

Topics: Understanding International Relations; Actors in International Relations; Basic Concepts of International Relations; Group discussion on IR; Realism in International Relations; Group discussion on Realism; Liberalism in International Relations; Group discussion on Liberalism; Marxism in International Relations; Group discussion on Marxism; Group project; Nations and Nationalism as Issues in International Relations; Security and Arms Control as

Issues in International Relations; War as Issues in International Relations; International Law and Diplomacy as Issues in International Relations; Global Trade as Issues in International Relations; Global Finance as Issues in International Relations; Global Poverty as Issues in International Relations; Globalisation as Issues in International Relations; Global Terrorism as Agendas in International Relations; Human Rights as Agendas in International Relations; Migration and Refugees as Agendas in International Relations; Global Environment Agendas in International Relations; Agendas in International Relations

INTR6003 - MODERN WORLD HISTORY (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify the events leading to the emergence of the modern nation-state and contemporary interstate politics; 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 birth of sovereignty and the emergence of the modern nation-state; The Age of Exploration; The Age of Industrialization; 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 Battlefront: 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; The Rise of Japan and China as Major Powers.

INTR6004 - PHILOSOPHY OF SOCIAL SCIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to Identify basic concepts of social science; Interpret basic concepts of social science; Analyze social phenomena based on social science approach; Defend a particular position with proper arguments from cases in social science.

Topics: Introduction to Social Science; Culture and Individuals; Institutions and Society 1; Institutions and Society 2; Making Arguments; Institutions and Society 3; Economy and Society; Politics and Society; Writing Argumentative Essays; Developing Countries; Referencing; Plagiarism and How to Avoid it; Global Issues; Review.

INTR6005 - INTRODUCTION TO INTERNATIONAL TRADE AND BUSINESS (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: understand the introduction toward trade and business aspects of international relations with emphasis on the impact and dynamics of socio-cultural, economic, and political and legal factors in the foreign trade environment. This course aims at providing understanding on various basic concepts on international trade and business, actors, such as state and MNC, and processes within which they interact.

Topics: Basic concepts on international trade and business, terms of trade, history of international trade, investment, and monetary systems, state's reason to conduct international trade, and foreign direct investment

INTR6006 - INTRODUCTION TO SECURITY STUDIES (4 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Integrate theory and empirics in an innovative and methodologically sound way in explaining security issues in both historical and contemporary issues; Explain contemporary security issues and policy options made by the state in international as well as domestic level; Describe several theories as well scholars in the field of security studies; Identify key concepts in the field of security studies.

Topics: Introduction To Security Studies; General Theories of Security Studies; The Cause of War; Balance of Power; Issues in Security Studies: Case Study I; Security Dilemma; Future Conflict in Southeast Asia and the Rise of

China; Institutions & Regional Institution; Securitization Theory; Practice I: Relate the concepts/theories to case study; Human Security & Health and Poverty as Security Issue; Peace Operation & Humanitarian Intervention; Practice II: Analyze case study using concepts/theory in Security Studies; Transnational Organized Crime; Insurgencies & Terrorism; Environmental Security; Energy 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 and the concepts on which scientific research is based; Describe the theoretical principles and the differences between various theoretical principles on which scientific research is based; Analyze International Relations issues and literature using qualitative and quantitative research design; Apply qualitative and quantitative social science method in International Relations research.

Topics: Foundations of Social Research; Social Science Research Method : Qualitative; Social Science Research Method : Quantitative Methods and Social Statistics; IR Research Method (1): Participant Observation and Focus Group; IR Research Method (2): Interview and Survey; IR Research Method (3): Ethnography and Case Studies; Research Question and Research Design: Designing Research Question in IR (1); Designing Research Question in IR (2); Literature Review; Theory; Hypothesis; Methods; Research Design Presentation.

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 International Relations Theories; (Classical) Realism; Liberalism; Neorealism; Neoliberalism; Anarchy, Hegemony, and International Institutions; Power, Alliance, and Cooperation; Structuralism/Globalism; North-South, East-West; Constructivism; Norms and Identities in International Relations; Case Simulation 1: ISIS and Rohingya Refugee; Domestic Politics; Feminism; Rational Choice Theory; Game Theory; Case Simulation 2: Trans Pacific Partnership and Game Theory in Practice; Critical Theory; Non-Western IR Theories; the Development of IR Studies in Indonesia: An Invitation.

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; Illustrate the acquired theories of diplomacy in practice through simulation and role play.

Topics: Introduction to Diplomacy and International Politics; The Emergence of Diplomacy in History; Politics and Diplomacy in Modern Europe; The Politics of Diplomacy in Present Day; Diplomacy in Present Day; Diplomacy and Foreign Policy; Ethics and Other Restraints on the Practice of Diplomacy in International Politics; The Art of Negotiation within International Political Context; Coercive Diplomacy; Multi-track Diplomacy; Public Diplomacy; Designing Position Paper 101; Role Play (UN General Assembly Model); Economic Diplomacy: Guest Lecture; Role Play (UN Security Council Model); Role Play (WTO Model); Role Play (ASEAN Model); Role Play (UN Model).

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.

INTR6011 - WORLD STRATEGIC THOUGHTS (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify key concepts in the field of Strategic Studies; Describe main ideas and thoughts of prominent strategic thinkers; Apply strategic thinking into case studies.

Topics: World strategic thoughts: origins; The new science of strategy; Clausewitz; The false science; Annihilation or exhaustion; Brain and brawn; The indirect approach; Nuclear games; The rationality of irrationality; Study visit: Guerrilla warfare; Observation and orientation; The revolution in military affairs; Conclusion: The myth of the master strategist.

INTR6012 - INTERNATIONAL POLITICAL ECONOMIC THOUGHTS (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify perspective and basic concepts in the field of International Political Economy; Describe key scholars' ideas and thought in the field of International Political Economy; Apply the acquired knowledge into case studies

Topics: Introduction to the Study of International Political Economy (IPE): State-Market Relations; Thoughts and Perspectives in IPE: Nationalism/Mercantilism 1; Thoughts and Perspectives in IPE: Nationalism/Mercantilism 2; Thoughts and Perspectives in IPE: Liberalism 1; Thoughts and Perspectives in IPE: Liberalism 2; Thoughts and Perspectives in IPE: Structuralism 1; Thoughts and Perspectives in IPE: Structuralism 2; Contemporary thought of IPE: Institutionalism; Contemporary thought of IPE: Welfare Economics; Alternative perspectives on IPE; Contemporary issue on IPE: Technology, Population boom, and Interconnectedness; IPE Thought in Indonesia: Fundamental of Pancasila economics; History of IPE Thought in Indonesia

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 of several developed countries i.e United States, European Union, UK, German, Russia, Japan , Singapore and Australia; Describe factors and sources of each developed country's foreign policy; Analyze the developed country's foreign policy in the International Relations Context.

Topics: Introduction : the History and Evolution of Foreign Policy Analysis; Foreign Policy in International Relations; Politics of Foreign Policy and Level of Analysis; Understanding theoretical I : Realism and Foreign Policy; Understanding theoretical II : Liberalism and Foreign Policy; Understanding theoretical III : Constructivisme and Foreign Policy; Model of Decision Making in Foreign Policy Analysis; 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; UK : Foreign Policy Making Process; UK : Foreign Policy and Leadership; Making Australia Foreign Policy; Australia Foreign Policy Issues; The Context of U.S. Foreign Policy Theory and History; US Foreign Policy : Comparative Study between Clinton, Bush, Obama Administration; US Foreign Policy : Post–Cold War Geopolitics; American Foreign Policy in the Twenty-First Century: Choices and Challenges; American Foreign Policy : The Middle East; Japan's Foreign Policy; Singapore's Foreign Policy; Germany's Foreign Policy.

INTR6018 - 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 acquire 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.

INTR6025 - NON-CONVENTIONAL ISSUES IN INTERNATIONAL RELATIONS (2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Explain theories and basic concepts of non-conventional issues in International Relations; Analyze specific non-conventional issues and its developments in International Relations; Integrate theories and concepts to critically examine case studies of non-conventional issues.

Topics: Globalization and Non Conventional Issues in International Relations; New Approaches and Concepts of Non-Conventional Issues: Old Critical Theory; New Approaches and Concepts of Non-Conventional Issues: New Critical Theory; Issues: Human Rights; New Approaches and Concepts of Non-Conventional Issues: Feminism; New Approaches and Concepts of Non-Conventional Issues: Post-modernism; New Approaches and Concepts of Non-Conventional Issues: Transnationalism and Constructivism; Issues: Climate Change and Environmental Issues; Issues: Population and Migration; Issues: Globalization of Disease; Issues: Transnational threats: Outsourcing War and Weapons Proliferation; Issues: Politics of Religion and Global Terrorism; Issues: Transnational threats to human security: Human Trafficking and Drug Trafficking.

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 Recesion; The International Monetary and Finance Structure; The Financial Crisis; Indonesia's Monetary Polilcies; Indonesia's Monetary Polilcies 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 Interdependece; 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.

INTR6041 - DEVELOPMENT OF INFORMATION TECHNOLOGY AND WARFARE (4 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; Discuss the key concepts and theories used in the field of cyber power; Examine how contemporary and emerging cyber threats are managed at the international level; Analyze the development toward a theory of cyber power.

Topics: Introduction to information technology (part 1); Introduction to information technology (part 2); Introduction to cyber & cyberspace; Cyber attack & cyber exploitation (part 1); Cyber attack & cyber exploitation (part 2); Cyber crime & cyber terrorism; The law & cyber conflict; Cyber offense & defense; Cyber deterrence; Cyber power; Cyber security; Toward a theory of cyber power (guest lecture); Excursion to Google / Microsoft office in Jakarta.

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.

INTR6051 - INDONESIA AND INTERNATIONAL DEVELOPMENT (2 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 main theories 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: What is Development?; Why Indonesia Matters; Reassessing Development Theory; Aid and Development; Globalization and Development; The Economics of Development; Continuing Crises: The Developing World and The Global Financial Crisis; Politics, Governance and Development; Poverty Alleviation and Development; Community Development : Study Visit; Gender and Development; Environment and Development; Security and Development.

INTR6056 - THE ROLE OF INDONESIA IN THE GLOBAL GOVERNANCE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define the key concepts in the field of global governance; Explain several theories in the field of global governance and its implementation; Illustrate the implementation of global governance and the role of several significant countries including Indonesia; Analyze the role of Indonesia in global governance and the results of Indonesia's participation.

Topics: The Three Faces of Liberal Internationalism; Trans-governmental Networks and Emerging Powers; China's Rising Institutional influence; Reforming Institutions, Unreformed India?; Brazil: What kind of Rising State in What kind of Institutional Order; Europe: Rising Superpower in a Bipolar World; The "Great Recession" and the emergence

of the G-20 Leaders' Summit; BRIC by BRIC: The Emergent Regime for Sovereign Wealth Funds; Global Governance and the role of Indonesia in the UN (Human Rights, ECOSOC, The Role of UN in the 21st Century); Global Governance and the role of Indonesia in non-UN Organization (OECD); Global Governance and the role of Indonesia in non-UN Organization (G-20); Global Governance and the role of Indonesia in non-UN Organization (Sustainable Development); Global Governance and the role of Indonesia in Regional Organization (ASEAN Development Fund, Chiang Mai Initiative).

INTR6075 - INTERNATIONAL LAW ISSUES AND INTERNATIONAL DISPUTE SETTLEMENT (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Understand the role of international law in international relations and the use of international law in international dispute settlements, such as trade dispute and territory dispute. In this course, students will discuss about the level of state compliance to international law and analyze this using the international relations approach.

Topics: definition of international law, the role of state in international law, international peace and law, international conflict and the role of international law, sovereignty and international law, intervention and international law, genocide and international law, international law and war on terrorism, arms trade and international law.

INTR6078 – THE EU AND EUROPEAN INTEGRATION (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 developments of regionalism and regional integration in Europe; Illustrate several important issues that affect the development of European integration; Analyze the systemic and any related changes that shape the development of the European Union.

Topics: Theories and Scope of Regional Integration; Economic and Political Implications of Regional Integration; Russia and Europe; The Idea of Europe; What is European Union; The European Union Institutions; The EU and its Citizens; The EU Policy Process; EU Economic Policy; The EU and the World; The EU and its inter-regional policy; Current Issues Debates in the EU: The Euro Crisis and European integration; Migration, Brexit, and EU and Democracy.

INTR6079 – REGIONALISM IN EAST ASIA AND THE PACIFIC (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Describe and explain the development of international relations in the Asia Pacific as a region. The focus of this course is on states in the Asia-Pacific region, particularly the United States, China and Japan, as well as emergent issues in this region. Through this course students are expected to understand the dynamics of interactions between nation-states in the Asia Pacific region.

Topics: Historical constructions of Pacific Asia, Asia Pacific during the Cold War, US Hegemony in the Pacific, The Rise of China, North Korea's Nuclear Threat, Japan's transition from a peace state to a normal state, The Asian Century in Australia, Asian Values, Human Rights and Democracy.

INTR6080 – REGIONALISM IN THE AMERICAS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Understand regionalism in America region, particularly North America, which comprises US, Canada, and Mexico, all of which members of NAFTA, from economic and political perspectives.

Topics: Initial development of NAFTA; Political and economic cooperation, most recent and relevant issues; Theories on regionalism and roles of influential actors in the region, political and economic cooperation of South American countries, including Mercosur.

INTR6081 – REGIONALISM IN AFRICA AND MIDDLE EAST (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Understand regionalism in Africa and Middle East, particularly in term of economic and political aspects.

Topics: Development of economic and political cooperation in Africa, most recent and relevant issues influencing the future of cooperation of African countries; History and development of inter-state relations in Middle East, including peace and conflict issues between Israel and Palestine, and the roles of influential countries in the region, namely Iran, Saudi Arabia and other Arab states.

INTR6082 – SELECTED TOPICS IN INTERNATIONAL POLITICAL ECONOMY (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Understand evolution of the international political economy in the era of globalization. Through a range of case-studies, students will be expected to utilize different analytical perspectives to understand dynamics underpinning contentious issues such as uneven economic development, trade disputes, financial crises and global poverty.

Topics: Approaches to IPE, Neoliberalism, Global Trade and Finance, Global Production and the New International Division of Labour, Development and Structural Adjustment, The Global Financial Crisis, Environmental and Climate Governance, Globalization and Democracy.

INTR6083 – SELECTED TOPICS IN PEACE AND SECURITY (4 Credits)

Learning Outcome: This unit is designed as an intermediate course in security studies. On successful completion of this course, students will be able to: Critically apply previously-learned security concepts including nation-state, national security dilemma and human security, to name a few, to contemporary security issues. These issues will be discussed through recent case-studies in traditional and non-traditional security.

Topics: New Regional Security Alliances, Trade and Security, Peacebuilding, The emergence of quasi statehood (ISIS) as new global security threat, Maritime fulcrum and national security, Security and technology, food and energy security.

INTR6084 – NGOs AND CIVIL SOCIETY POLITICS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Provide a general understanding of NGO operations, their strengths as well as the challenges they face as “third sector” organisations. The first half of this course will focus on the technical aspects of NGO operations while the second half examines political issues surrounding NGOs’ impact on policy-making and democratisation. Upon successful completion of this course, students will understand how NGOs operate as well as be able to analyse the political impact of Civil Society Organizations in terms of policy-making and democratization.

Topics: Civil society as the Third Sector, Types of NGOs, Management of NGOs, Social enterprises, Mainstreaming and advocacy, NGOs and the politics of policy-making, Civil society as a democratizing force, Civil society and political parties.

INTR6085 – CONTEMPORARY ISSUES IN GLOBAL POLITICS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Analyse the structures, issues and processes of global or world politics. Globalisation has a profound effect on interactions between both state and non-state actors to the point that no political entity is free from its effects. There is thus a need to examine the transformation of world politics and how the organisation of political power, security, economics and societies are affected by these transformations. This class allows students to examine a number of these pressing contemporary issues using a range of theoretical perspectives from within and beyond IR.

Topics: Theoretical perspectives in world politics, Rivalries among great powers, Non-state actors, The politics of international aid, The changing nature of armed conflicts, Democracy and Peace, Failed states and state-building interventions, The political economy of violence against women, International finance, Epidemics and the environment, New Islamic populism.

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: Understand and analyse the causes of the Asian Economic Miracle, the reasons for the Asian Financial Crisis and the political implications of the crisis. Students will be offered a number of different theoretical perspectives to examine these questions – modernization theory, liberal and neo-liberal economic theories, developmental state theory, historical institutionalism and critical political economy. The causes and political consequences of the rise and fall of the economic miracle will be examined through a range of country case-studies – Japan, South Korea, Taiwan, Singapore, Malaysia, Thailand and Indonesia.

Topics: Four Asian Tigers and High Performing Asian Economies, Modernization theory and the "tickle-down effect", Political regimes and economic development, Confucianism and economic development, Institutions and economic development, Corruption collusion and crisis, Structural adjustment and political upheaval in Thailand, Crisis and reformasi in Indonesia and Malaysia, The consolidation of capital in Indonesia.

INTR6088 – THESIS WRITING WORKSHOP (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Write a research proposal on a particular topic of their interest within the field of International Relations, broadly defined. Students will be taught how to frame their chosen topic within existing debates and justify the significance of their topic and theoretical approach. The final result is a research proposal that contains what would become the first chapter of the thesis.

Topics: Selecting a topic, Framing the topic, Literature review, Methodology and approach, Research proposal presentation and feedback.

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.

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 competing 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.

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 competing 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.

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 developments of regionalism and regional integration in Europe; Illustrate several important issues that affects the development of regionalism and regional integration in Europe; Analyze the systemic and any related changes 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; Russia and Europe; What is European Union; The Idea of Europe; The Evolution of the EU; The European Institutions; The EU and its Citizens; The EU Policy Process; EU 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.

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.

INTR8032 - POLITICAL ECONOMY AND REGIONAL INTEGRATION IN AMERICA (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Understand regionalism in America region, particularly North America, which comprises US, Canada, and Mexico, all of which members of NAFTA, from economic and political perspectives.

Topics: Initial development of NAFTA; Political and economic cooperation, most recent and relevant issues; Theories on regionalism and roles of influential actors in the region, political and economic cooperation of South American countries, including Mercosur.

INTR6133 - AN ASEAN COMMUNITY : SECURITY, ECONOMY AND SOCIETY (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify major events in the evolution of Association of Southeast Asian Nations (ASEAN); Describe key principles and concepts in ASEAN regional integration; Apply theoretical frameworks to understand the development of ASEAN Community; Analyze current issues facing by ASEAN in security, economics, and socio-cultural realm; Define the business model and explain the defined business model.

Topics: Understanding ASEAN and Market Segment – Persona; Why ASEAN? Why 1967?; The Evolution of ASEAN Norms and the Emergence of the “ASEAN Way”; Institutionalization of ASEAN and Ideation; ASEAN Community Pillar 1: Understanding ASEAN Political-Security Community; ASEAN Community Pillar 1: ASEAN and the Regional Architecture; ASEAN Community Pillar 1: ASEAN and the Rising Power; ASEAN Community Pillar 1: ASEAN and the Rising Power (Student Discussion); ASEAN Community Pillar 1: ASEAN, Non-Conventional Security Issues and Visual Thinking; ASEAN Community Pillar 1: ASEAN and Non-Conventional Security Issues (Student Discussion); ASEAN Community Pillar 2: From Economic Crisis to East Asia Economic Regionalism; ASEAN Community Pillar 2: Understanding ASEAN Economic Community; ASEAN Community Pillar 2: Toward a Single Market and production base, Competitive Economic Region and Prototyping; ASEAN Community Pillar 2: Toward a Single Market and production base and Competitive Economic Region (Student Discussion); Understanding ASEAN Secretariat and Story-telling; ASEAN Community Pillar 3: Toward a people-centered Community; ASEAN Community Pillar 3: Toward a people-centered Community (Student Discussion); ASEAN Community Pillar 3: ASEAN Socio-Cultural Community Plan of Action; ASEAN Community Pillar 3: Issues on ASEAN Socio-cultural Community; ASEAN and Indonesian Foreign Policy; ASEAN and Indonesian Foreign Policy (Student Discussion); The Future of ASEAN; The Future of ASEAN (Student Discussion) and Scenarios in Business.

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; Contemporary History of Africa and the Middle East; Introduction to political economy of regional integration in Africa and the Middle East; Economy and Policy of Africa and the Middle East; Trade and Regional Integration in Africa and 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; The Political Economy of the Middle East; Aid, Regional Economy and Integration in Africa; Economic Reconstruction and Peace Initiatives in Palestine and Israel; Managing resources in Africa and the Middle East; Managing resources, Conflict and International Interventions in Africa and the Middle East; Transnationalism and Africa's 'Resource Curse' in North Africa; Managing Resources, Political and economic engagement in a Post-Conflict African and Middle Eastern Countries; 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; Visiting Lecture at Iran Embassy; Visiting Lecture at Iran Embassy; 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 history of debate about free trade and protectionism and the role of the Trading Organisations for world economic growth; Illustrate the trade policies in the level of state and organization; Analyze the world trade issues and effectiveness of Trading Systems.

Topics: Introduction to Diplomacy and Negotiations; Diplomatic Relations; The Art of Diplomacy I; The Art of Diplomacy II; Diplomatic Sites; New Actors and Tool in Diplomacy; The Theoretic of Debate on the Trade Ideas; Debate history post World War II; Negotiating Multilateral Trading System; Negotiating Regional Trading System; The North American Free Trade Agreement; The NAFTA Debate of Free Trade and It's Public Diplomacy; Competing for Trade: US in Bush and Obama's era; Competing for Trade: Americas; Chinese Soft Power; US-China Relationship; The Future of Trade: Digital Diplomacy (Student Visit); The role of Social Media over Trade Diplomacy (Student Visit); Liberal World Order and Regional Agreement (the EU, NAFTA); Liberal World Order and International Agreement (Trading Partnership); Diplomacy in Agriculture Sector: WTO; Diplomacy in Agriculture Sector: Bilateral/Regional Institution; Simulation I: Position Paper and trade diplomacy simulation; Simulation II: Position Paper and trade diplomacy simulation; Simulation III: Position Paper and trade diplomacy simulation; Simulation IV: Position Paper and trade diplomacy simulation.

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: China and India in the Era of Globalization: an Introduction; China's Rise as an Economic Power; Economic Reform in China; The Role of Foreign Direct Investment in China: a Critical Analysis; China's Strategies and Patterns of Global Integration; China's Engagements in Southeast Asia; Lessons from China's Economic Experience and Diplomacy; India's Economic Reform; Opportunity Creation in India; India's Strategies and Patterns of Global Integration; Lessons from India's Economic Experience and Diplomacy; 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.

INTR8044 - STRATEGIC LEADERSHIP (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Understand how decisions are made during war and peace.

Topics: Strategic planning both in war and peace; The influence of environmental change toward decision making process; Leadership values; Leadership requirements; Leader's commitment; Leader's courage; Leader's integrity.

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.

INTR8046 - TERRORISM ERA: ECONOMIC, SOCIAL, POLITICAL AND SECURITY IMPACTS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Understand the cause of terrorism and its implications toward the state and society.

Topics: Definition; Concept; Cause and pushing factor of terrorism; Ethnicity; Religion and terrorism; Transnational crime and terrorism, Anti-terrorism and counter-terrorism policy; International effort to overcome global threat from terrorism, both in economic, politics and security sectors; The role of international; Global and regional organizations in the war against terrorism; The impacts of terrorism.

INTR8049 - GLOBAL ECONOMIC ARCHITECTURE (2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify The elements that structure 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; The political economy of world trading system; The political economy of world monetary system; Western hegemony in economic order; North-South-South Relations; Japan and the new industrialised countries; The Asian Miracles; The political economy of regionalism;

Global financial crisis; Economic Discussion Forums; The Rise of BRICS; The Development Agenda; China and the Furure.

INTR8050 - GLOBAL SECURITY ARCHITECTURE (2 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: Border Security; The Dynamics of Global Counter-Terrorism; 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; Maritime Security; CBRN Weapons; CBRN Terrorism; Cyber Security; Unmanned Combat Air Vehicles (UCAVs); Offensive & Defensive Arms Races; Intelligence; Global Governance (Study Visit).

INTR8052 - INTERNATIONAL COMMUNICATION AND MULTICULTURALISM (2 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify 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; Examine the role of various aspects and actors of international communication to multiculturalism; Integrate theory and cases to explain problems of international communication and sociocultural issues.

Topics: Introduction; Theories Linking International Communication and Multiculturalism; The Role of Global Media Outlets (1): TV Channels (CNN, MTV, Aljazeera); The Role of Global Media Outlets (2): Newspaper; The Role of Global Media Corporation (1): US-Based Corporations; The Role of Global Media Corporation (2): Non-US Based Corporations; The Role of Global News Agencies; The Role of Global Advertising; The Role of Internet and Social Media; The Role of International Organizations; The Role of Communication Technologies; Study Visit: The Case of Media in Indonesia; Closing: Patterns, Prospects and Concerns in Global Communication.

INTR8053 - NATIONAL IDENTITY IN A GLOBAL WORLD (2 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 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; Monuments and Maintenance of National Identity; Study Visit: Changes and Challenges of National Identity; Symbols and Myths of the Nation; Imaginations and Interactions of National Identity; Homogenization of National Identity; Language and National Identity; Tribalism, Islamism and Arabism in Nation-Building; Conclusion: Patterns and Prospects of National Identity in a Global World.

INTR8054 - THE INDONESIAN DEFENSE STRATEGY (2 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.

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: Explain the model for industrial logistics problems of its objectives, constraints and decision variables; Design logistics systems of its engineering design method; Distinguish major classes of industrial logistics systems, operations and most significant characteristics; Solve the variants of industrial logistics problems with basic solution algorithms

Topics: How Logistics Systems Work; Logistics Decision and Further Supply Chain Engineering; Demand Forecasting Methods; Causal Methods; The Constant Trend Case; The Linear Trend Case; The Seasonal Effect Case; Advanced Forecasting Methods; Selection and Control of Forecasting Methods; Transport Fundamentals; Transport Decisions; Planning and Managing Long Haul Freight Transportation; Planning and Managing Short Haul Freight Transportation; Inventory Policy Decisions; Supply Chain Systems and Models; Designing the Logistics Network; Global Logistics Systems

ISYE6055 – E-SUPPLY CHAIN MANAGEMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the business models and strategies of e-business to analyze value chains; Assess and recognize risk and security problem in virtual value chains and the methods available to minimize it; Evaluate and recommend improvements to the design and implementation of an e-SCM strategy for an organization; Appraise the use, abuse, and failure of electronic marketing for generating competitive advantage.

Topics: E-Commerce Standards; Dynamic Transshipment; Electronic Commerce for Supply Chain Management, Automated-Process Systems; Managing Modern E-Services; Service Value Networks; EDI; Cost/Benefit Analysis, Online Transactions, and Security Issues; Electronic Catalogs, Auctions, and Markets; E-Commerce Company Related Experiences; 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; Select 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: Overview of Supply Chain Risk and Negotiation: Sourcing Strategies; Contract Issues and Philosophies; Execution of Competitive Bidding, complex Alliances and Development Relationships; Negotiation plan components, execution, its related costs evaluation, and cross-cultural issues; Quantitative and Qualitative Risk Assessment an; Management-Guest Speaker; New Trends in Risk Management; Customer Insight and Market Analysis; Business Model Environment; Product/ Services Development; Design Process; Prototyping Product/ Service; Evaluating Product/ Services Prototype.

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; The Cost of Capital; Portfolio Theory, Asset Pricing Models, and Behavioral Finance; Cash Flow Estimation and Risk Analysis; Derivatives and Hedging Risk; Mergers and Acquisitions; 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: Social Class and Cultural Influence on Consumer Behavior; New Service Development; Integrating Service; Quality and Human Factors; Architecture of Service Organizations; Understanding Consumers; Managing Waiting Lines; The Service Encounter; The Service Economy; Service Supply Relationships; 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 applications of the discrete-event simulation (DES) approach; Employ discrete simulation models; Estimate statistical distributions during

data input process; Analyze output data from simulations and draw conclusion based on the analysis; Summarise major steps in simulation; Prepare simulation project report.

Topics: Introduction to discrete-event system simulation; Simulation examples in spreadsheet; General principles and introduction to a discrete-event simulation software; Introduction to a discrete-event simulation software; Statistics models in simulation; Queueing models; Review materials Chapter 1-6; Simulation project 1; Random-number generation; Random-variate generation; Input modelling; Verification, calibration, and validation of simulation models; Estimation of absolute performance; Estimation of relative performance; Simulation of manufacturing and material-handling systems; Review materials Chapter 7-13; Simulation project 2.

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 ob 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; Push and Pull Production Control System: MRP, JIT; Operations 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: Understand about design and analysis of materials handling systems, warehouse layout, order picking strategies, warehousing inventories, integration of production and distribution systems. The objective of this course is for the students to learn how to successfully complete an engineering design or analysis project according to systems engineering principles in order to prepare the student for future projects in industry. The vehicle used is the design of warehousing systems and industrial logistics systems.

ISYE6115 - TRANSPORTATION MODELING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe components of transportation system modeling and their interactions; Explain travel-demand models; Formulate a model of a simple transportation system.

Topics: Transportation Modes and Route Selection; Travel Demand Models; Local Vehicle Routing; Fleet Management; ITS & Transportation Systems Network; Traffic Flow Characteristics; Traffic & Intersection Simulation; Road Safety Engineering.

ISYE6116 - HEALTH AND SAFETY ENGINEERING (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Recognition, control, and regulation of safety hazards in the workplace. Topics include accident investigation, record keeping, facilities needed, and how to solve the problem related to health and safety in workplace. Upon completion, students should be able to recognize safety hazards and recommend strategies to organization.

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 intrepreting information, proposal and report, analytial report; Oral Presentation.

ISYE6120 – FINAL PROJECT (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.

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, Dispoability, 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.

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 Processes; Project Integration Management; Project Scope Management; Project Cost Management; Project Time Management; Project Quality Management; Project Human Resources Management; Project Communication Management; Project Risk Management; Project Procurement Management; Role and Responsibility of Project Manager; Making Decision in Project Management; Project in Global Environment; Project in Global Environment (1); Advising and Negotiation (Consultancy Task / Services); Managing Conflicts in Project; Project Monitoring; Monitoring instruments; Evaluation of the Projects; Evaluation Instruments; Handing over and Closing Project; Intro to Project Management Software (MS Project 2007); How to Use MS Project; Summary and Wrap Up.

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 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.

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; Offshoring 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 us 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 or 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)

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: Define The Concept of Social Media; Explain Functional and Emotional of Social Media; Explain The Importance of Social Media.

Topics: Why, What, and How?; The Future of Social Media; The Importance of Social Media; Functional Social Media; Emotional Social Media; Personal (Social) Media; Implementing Social Media

ISYS6018 – THESIS (6 Credits)

Learning Outcomes: On successfull of this course, student will be able to: Define the research problems, purpose and scope of research, basic theories and concepts of information system; Analyze the problems, gather and compile data; Create a sound solution of the problems.

Topics: Outlines discussions; Thories review; Data gathering; Submission and group presentations; Finishing, discussions and group presentations; thesis approval.

ISYS6037 – MANUFACTURING INFORMATION SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define Processes Manufacturing; Describe Product Design: Dimensions, Tolerances, and surfaces; Interpret Aggregate Planning and Master Scheduling; Calculate Inventory Analysis and Control; Evaluate Project Planning.

Topics: What is Manufacturing ?; Materials in Manufacturing; Manufacturing Processes; Production Systems; Stress-Strain Relationships; Volumetric and Manufacturing Properties; Thermal Properties; Electrical Properties; Dimensions, Tolerances, and Related Atributes; Effect of Manufacturing Processes; Alloys and Phase Diagrams; Nonferrous Metals; The Role of Production Control; Production Control Information Flow; CAD/CAM and Production Control; Forecasting-The Key to PC; Aggregate Planning and Master Scheduling; Optimization Approaches to Aggregate Planning; Materials Requirement Planning; Inventory Analysis and Control; Fallcies and Realities for EOQ and EMQ; Sequencing and Scheduling; Project Planning; Scheduling with Resource Constraints; Personnel 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: Describe problem to be research; Explain how to solve identified problem; Demonstrate presentation skill; Analyze alternative solution for problem; Create academic research proposal; Evaluate research output.

Topics: Proposal; Journal searching technique and writing scientific paper; Introduction and Theoritical Review; Presentation Concept; General Description of Research's Object for Accounting Information System Project; Discussion; Doing Presentation and Collecting of research result.

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); Company Exploration (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 (T); Business Analytics and Cloud Computing (T); Intelligent Systems (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 Red Door Company Property Management (T); Acquiring Information Systems and Applications (L); Case Green Freight Asia (A): Driving The Adoption of Sustainable Supply Chain Practices (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; Theories review; Data gathering; submission and group presentations; Finishing, discussion and group presentations; Thesis approval.

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 in the Global business world; Describe the concept of Information Technology Infrastructure; Differentiate various information system application for the digital age; Analyze the methodology for building and managing system.

Topics: Information Systems in Global Business Today; Global E-Business and Collaboration; Information Systems, Organizations, and Strategy; Foundations of Business Intelligence: Databases and Information Management; IT Infrastructure and Emerging Technologies; Ethical and Social Issues in Information Systems; Securing Information Systems; Achieving Operational Excellence and Customer Intimacy: Enterprise Applications; Managing Knowledge; E-Commerce: Digital Markets, Digital Goods; Enhancing Decision Making; Building Information Systems; Managing Projects.

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 Environmen; The Relational Model; Database Planning, Design and Administration; Security and Administration; SQL – Data Definition; SQL – Data Manipulation (Basic Queries 1); SQL – Data Manipulation (Basic Queries 2); SQL – Data Manipulation (Multi table Queries); Normalization; Entity Relationship (ER) Modeling; Enhanced Entity-Relationship Modeling; Data Warehousing Concepts.

ISYS6126 – ENTERPRISE SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain basic concept of enterprise system for management; Explain based on fact finding case study in group; Analyze to make decision case study in enterprise systems; Analyze to make decision topic/idea of integration enterprise system activities (ERP, SCM, CRM) needed on the Company; Analyze to make decision integration application and strategy in implementation ERP on 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; ERP and CRM Software; Supply Chain Management; Customer Relationship Management.

ISYS6146 – INFORMATION SYSTEM SECURITY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the role of information system security in organization; Explain information security policy and security program; Describe

security management and risk management; Identify protection mechanisms and skills for information security personnel.

Topics: Introduction to the Management of Information Security; Planning for Security; Planning for Contingencies; Information Security Policy; Developing the Security Program; Security Management Models; Security Management Practices; Risk Management: Identifying and Assessing Risk; Risk Management Case Study; Risk Management: Controlling Risk; Protection Mechanisms; Personnel and Security.

ISYS6151 - INFORMATION SYSTEM SECURITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the technical aspects of information systems security, nature, scope, technical system, technical specification, cryptography and technical and network security for combating threat; Define formal aspects of information systems security, planning, designing and risk management, overall good information system security; Identify informal aspects of information systems security, corporate governance and culture for information system security in developing each; Describe regulatory aspects of information systems security, Information System Security standard, legal aspect and computer forensic for writing policies.

Topics: Information Systems Security: Nature And Scope; Security Of Technical Systems In Organizations: An Introduction; Models For Technical Specification Of Information Systems Security; Cryptography And Technical Information Systems Security; Network Security; Security Of Formal Systems In Organizations: An Introduction; Planning For Information Systems Security; Designing Information Systems Security; Risk Management For Information Systems Security; Security Of Informal Systems In Organizations: An Introduction; Corporate Governance For Is Security; Culture And Information Systems Security; Information Systems Security Standards; Legal Aspects Of Information Systems Security; Computer Forensics.

ISYS6163 – ADVANCED INFORMATION SYSTEM ANALYSIS AND DESIGN (4/2)

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 the business process and propose a project for a company.

Topics: An overview of System Analysis and Design, and the design activities; Moving on to Design; Finding the Right Customer Segment for Information System Consultant; Ideation in Information System Business; The Architectural design of Information System; The Interaction Diagram, review of behavioral modeling; Visual thinking (Visualizing the Business Idea in Information System Business); Prototyping the Information System Business; The Class and Method Design; Data Management Layer Design; Telling Stories about the Business; Creating Scenarios in Information System Business; Designing the Human Computer Interaction Layer; Designing the System Security and Controls; System Construction and Testing; System Design Practice.

ISYS6169 - DATABASE SYSTEMS (4/2 credits)

Learning Outcomes: On completion this course, students will be able to: Describe database system, 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 Modeling; Data Warehousing Concept; 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 as a Basis for Database Design; 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.

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; Assemble the model of business process; Outline the roles of Information Technology in Business Process and Organizational activities to achieve its goals.

Topics: Introduction; Business Processes; Database Concept II (The REA Accounting Model And ER Modelling); The Revenue Cycle; Internal Controls I & Internal Control II; The Expenditure Cycle; The Revenue Cycle Case Study; The Expenditure Cycle Case Study; The Production Cycle; The General Ledger and Financial Reporting Cycle; The HR management and Payroll Cycle; Systems Development; Linkages Between Business Processes; The Production Cycle Case Study; The HR management and Payroll Cycle Case Study.

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 Stategy; 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 by 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: An overview of System Analysis and Design Method; Business Process and Functional Models; Business Process Modeling and Functional Modeling; Structural Modeling; Behavioral Modeling; Gaining User Approval; Course Review.

ISYS6189 - MANAGEMENT INFORMATION SYSTEM (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 & Class Activity 1 (T); Gaining Competitive Advantage Through Information Systems (L); Competitive Strategies & Business Model Canvas (T); Enabling Business-to-Consumer Electronic Commerce (L); Group Activity: Comparing Indonesia's official government Web portal with U.S government Web Portal & Class Activity 2 (T); Managing the Information Systems Infrastructure and Services (T); Mid Exam Material Review (T); Securing Information Systems (T); Enhancing Business Process Using Enterprise Information Systems (L); Enhancing Organizational Communication & Collaboration Using Social Media (L); Enhancing Business Intelligence Using Information Systems (L); Case Study 2: Wikipedia: Who is editing? (T); Case Study 3: NSA: National Surveillance Agency? (T); Strengthening Business-to-Business Relationship via Supply Chain and CRM (L); Create Info-graphic: CRM Companies (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: Describe security database management, overview of storage and indexing, and storing data - disk and files; Classify transaction management query processing, and crash recovery; Identify physical database design and tuning, Data Warehouse, OLAPS, and Data Mining, and Distributed Database; and Design replication, mobile databases, Parallel, and Distribution Databases.

Topics: Management Information Systems: Business Driven MIS (L); Decision and Processes: Value Driven Business (L); E-business: Electronic Business Value (L); Ethics and information Security: MIS Business Concerns (L); Infrastructure: Sustainable Technologies (T); Data: Business Intelligence (L); Enterprise Applications: Business Communications (L); System Development and Project Management: Corporate Responsibility (L); Case Study 1: Best of the Best of the Best under 2 (T); Case Study 2: Build your own business “Broadway Café (T); Case Study 3: Amazon.com – Not Your Average Book Store (T); Networks: Mobile Business (T); Case Study 4: Can Customer Loyalty Be a Bad Thing? (T); Case Study 5: Build Your Own Business no. 1, 2, 3 (T); Review Final Exam Materials (T); Entrepreneurial Challenge : Build Your Own Business (T); Group Discussion : What Type of System Would You Use (T); Case Study 6 : Data Visualization : Stories for the Information Age (T); Project : Different Dimensions (T).

ISYS6191 - ADVANCED IN BUSINESS APPLICATION DEVELOPMENT (2/4 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 Busniness 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.

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 concept of Relational Database Management Systems, information architecture & data management ; Adobt database life cycle for database development process, Apply database management system for specific purposes;

Topics: Database approach; Types of database management systems; Basic file processing concepts; Physical data storage concepts; File organizations techniques; Conceptual data model; Logical data model; Physical data model; Database languages; Data and database administration; Transaction processing; Using a database management system from an application development environment; Use of database management systems in an enterprise system context; Data / information architecture; Data security management; Data quality management; Business intelligence.

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; Describe the main feature in application design; Design user interface for mobile application.

Topics: Introduction To Android; Activities, Fragments, and Intents; Getting to Know the Android User Interface; Designing Your User Interface With Views; Displaying Picture; Menus; Data Persistence; Content Providers; Messaging; Location-Based Services; Networking; Diving into Mobile: App or Website?.

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: 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: Discuss IS Strategy for Organization, IS/Governance Frameworks and IS risk management; Recognize IS role and capabilities for organization; Illustrate IS/IT Performance for Organization.

Topics: The IS function; IS strategic alignment; Strategic use of information; Impact of IS on organizational structure and processes; IS economics; IS planning; Role of IS in defining and shaping competition; Managing the information systems function; Financing and evaluating the performance of information technology investments and operations; Acquiring information technology resources and capabilities; Using IS/IT governance frameworks; IS risk managemen.

ISYS6207 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to proffesional 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 proffesional 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)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain what the UX and its elements; Explain the benefits good UX and methods to plan, analysis, design and build UX; Identify and analyse the requirements based on Research outcomes; Apply Design Principles to prototyping and Design UX; Create UX for a Bisiness, based on the design; Examine the quality of the UX, and integrate it to whole system.

Topics: Introduction to UX; UX Design Methodology; Business Requirements; User Research; Creating Pesona; Content Strategy; UX Design Principles; Site Maps and Task Flows; Wireframes and Annotations; Prototyping; Design Testing with Users; Transition: From Design to Development; Review Designing the UX.

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; 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; Apply process of creating the building blocks of a performance dashboard and putting the dashboard items together.

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 proffesional attachment program; Apply information system competencies in organization.

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment.

ISYS6223 - INFORMATION SYSTEM AUDITING (2 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

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; The Seven Enablers of COBIT 5; Domains and Processes; Implementation of Governance of Enterprise IT with COBIT 5; COBIT 5 Process Assessment Model; COBIT 5 Resources.

ISYS6266 – BUSINESS CONTINUITY AND DISASTER RECOVERY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate Business Continuity and Disaster Recovery Plan (BC / DR Plan); Analyze Business Continuity and Disaster Recovery Plan (BC / DR Plan); Recommend Business Continuity and Disaster Recovery Plan (BC / DR Plan).

Topics: Business Continuity and Disaster Recovery (BC/DR) Legal and Regulatory Obligations Regarding Data and Information Security; Project Initiation; Risk Assessment; Business Impact Analysis (BIA); Risk Mitigation Strategy Development; Business Continuity/Disaster Recovery Plan Development; Emergency Response (ER) and Recovery; Training, Testing and Auditing; Business Continuity/Disaster Recovery Plan Maintenance.

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 and Security; 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 Orient; 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 society; Discuss digital media impact for individual/Organization; Discuss 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: Explain the concept of services information system; Analyze the information system in hospitality industry; Analyze financial aspect of services information system; Analyze managerial aspect of services information system

Topics : Hospitality Spirit; Tourism; Hotel Business; Room Division Operations & Food and Beverage Operations; Special Events; Restaurant Business; Recreation, Theme Parks, and Clubs; Human Resources Management; Managed Services; Accounting, Finance, and Cost Control; Leadership and Management; Hospitality Marketing

ISYS6338 - TESTING AND SYSTEM IMPLEMENTATION (2 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Explain 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; Other Players in Testing Project; Controlling and Monitoring Testing Project; Review for testing Project; Test Management – Closing; Implementation; Test Template.

ISYS6340 - INFORMATION SYSTEM INVESTIGATION (4 Credits)

Learning Outcomes: On Successful completion of this course, students will be able to: Build Business Model on Customer Insight; Explain standar procedure, tools and methods for computer investigation, ideation process, the future of knowledge economy, New Product Development Strategies, Stages in NPD, Visual Storytelling; 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; Prepare SWOT analysis, standar procedures digital evidence and mobile device.

Topics: Computer Forensics and Investigations as a Profession; Understanding Computer Investigations; Customer Insight and Market Analysis; Ideation; Data Acquisition; New Product Development; Visual Thinking; Working with Windows and DOS Systems; Current Computer Forensics Tools; Computer Forensics Analysis and Validation; Recovering Graphics Files; Business Model Environment; Evaluating Product Services Prototype; 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 Network; Security Part II: Auditing Database Systems; Systems Development and Program Change Activities; Transaction Processing and Financial Reporting Systems Overview; Introduction to Computer-Assisted Audit Tools and Techniques; Data Structures and CAATTs 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 proffesional 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: Analyze fraud investigation concept using software provided; Evaluate fraud investigation concept using software provided; Employ fraud investigation concept using software provided.

Topics: Start and Menu; Completeness and Integrity; Cross-Tabulation; Auditing IT Risk Management; Auditing Information Security Management; Duplicates; Gaps; Auditing Disaster Recovery Management; IT General Controls Audit; Data Profile.

ISYS6404 - COMPUTER ASSISTED AUDIT TOOLS & TECHNIQUES II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain standar procedure, tools and methods for computer investigation; Analyze Computer Forensics; Apply a systematic approach to an investigation and recovery data; Identify digital evidence storage formats, and some considerations for computer forensics hardware tools; Evaluate standar procedures digital evidence and mobile device.

Topics: Understanding Computer Investigations; Data Acquisition; Working with Windows and DOS Systems; Current Computer Forensics Tools; Computer Forensics Analysis and Validation; Recovering Graphics Files; E-mail Investigations; Cell Phone and Mobile Device Forensics.

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: Explain 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: Use developer and ADF as RAD Tools; Use Business Services in ADF; Create The ADF; Use ADF Model Advanced Bindings; Create Application Design; Create Application Enhancements.

Topics: 2EE Basics; Web Communications; Developer And ADF as RAD Tools; Required Web Languages and Java Language Basics; JavaServer Face Basics; Business Services in ADF; The ADF Model Layer; ADF Model Advanced Bindings; Your First JSF; Application Design Principles and Sample Application Overview; Home Page and Menus; Search Page; Edit Page; Adding Security; Sample Application Enhancements; Oracle Headstar.

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: 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 Performance Management; Managing Schema Objects & Managing Storage; Automatic Storage Management; Managing Resources; Automating Tasks with the Scheduler; Database Security; Using Globalization Support & Workshop.

ISYS7158 – APPLIED ERP I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the terminology used in SAP; Describe the concept of SAP business process; Connect principle module with specific module.

Topics: Introduction; Product Overview; mySAP Technology; Navigation; System Wide Concepts; Logistics; Accounting: Financial and Management Accounting; Human Capital Management.

ISYS7229 - ERP FOR FINANCIAL AND CONTROLLING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to Connect business process within the company which are related to financial and controlling.

Topics: General Ledger Accounting; Accounts Payable; Accounts Receivable; Financial Accounting; Financial Report/Statement.

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; KM Strategy and The Value of KM; Organizational Learning, Organizational Memory, and the KM Team; 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: Demonstrate conversation using their own ideas; Apply simple Japanese language in daily activities; Demonstrate simple expression in Japanese language; Retell material that have been listened through audio.

Topics: Hiragana and katakana; Hajimemashite; Hon no kimochi desu; Kore o kudasai; Sochira wa nanji kara nanji made desuka; Kooshien e ikimasu; Isshoni ikimasenka; Gomen kudasai; Sorosoro shitsurei shimasu; Zannen desu; Chiri soosu wa arimasenka; Kore o onegaishimasu; Omatsuri wa doo 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: Chapter 14: Umeda Made Itte Kudasai; Chapter 15: Go-kazoku wa?; Chapter 16: Tsukaikata wo Oshiete Kudasai; Chapter 17: Dou shimashitaka?; Chapte 18: Shumi wa Nandesuka?; Chapter 19: Daietto wa Ashita Kara Shimasu; Review (Chapter 14-19); Chapter 20: Natsu Yasumi wa Dou Suruno?; Chapter 21: Watashi mo Sou Omoimasu; Chapter 22: Donna Apaato ga Ii Desuka?; Chapter 23: Dou Yatte Ikimasuka?; Chapter 24: Tetsudatte Kuremasuka?; Chapter 25: 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: Doko ni Gomi wo Dashitara Ii desuka?; Chapter 27: Nandemo Tsukurerun desune; Chapter 28: Ocha Demo Nominagara; Chapter 29: Wasuremono wo Shite Shimattan desu; Chapter 30: Chiketto wo Yoyaku Shite Okimasu; Chapter 31: Intaanetto wo Hajimeyou to Omotte Imasu; Chapter 32: Byouki Kamo Shiremasen; Chapter 33: Kore wa Douiu Imi desuka?; Chapter 34: Suru Toori ni Shite Kudasai; Chapter 35: Ryokousha e Ikeba, Wakarimasu; Chapter 36: Atama to Karada wo Tsukau youni Shite Imasu; Chapter 37: Umi wo Umetatete Tsukuraremashita; Chapter 38: Katadzukeru noga Suki nandesu

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: Identify basic kanji such as vocabulary and sentences, Summarize kanji for writing and reading, Use kanji for writing and reading.

Topics: hiragana, katakana, 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).

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 Periode-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: This is Japan; Clothing and Housing; Food and Drink; Arts and Craft; Travel Japan; Religion; Customs and Rituals; Annual Events and National Holidays; Sports and Leisure; Hokkaido, Tohoku Region (Pref Aomori, Iwate, Yamaguchi, and Fukushima) and Kanto Region (Pref Chiba, Saitama, Kanagawa); Kinki Region (Pref Nara, Kyoto-fu, Osaka-fu, Hyougo); Chubu Region (Pref. Aichi, Gifu, Ishikawa and Toyama) and Chugoku-Shikoku Region (Pref Yamaguchi, Shimane, Hiroshima, Kouchi); Kyushu Region (Pref Nagasaki, Oita and Fukuoka) 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); Japanese Social Concept (2); Japanese Social Concept (3); Minority Group; Modern Japanese Education; Modern Japanese Woman; Japanese Social Problem (1); Japanese Social Problem (2); Japanese Social Problem (3); Japanese Social Problem (4); 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 natural sentences which Japanase using in the formal and informal situation; Analyze Japanese sentences.

Topics: Japanese Fonetic; Onsetsu to mora; Accent to intonation; Japanese Fonology; On'in; Japanese Marfology; Gorui/ Hinshi; Gokeisei.

JAPN6032 – JAPANESE WORK ETHICS (*BIJINESU MANA*-) (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Compare factual problems about concept of Japanese management style which related with differences in culture and ways of thinking; Demonstrate actions as contribute employee in Japanese-Indonesia business world; Explain general concepts of Japanese management, Japanese work ethics and implement all of these theories in Japanese company or non Japanese company.

Topics: Concept of Japanese Work Ethics; Kaizen as Concept of Japanese Management Style; Gemba Kaizen; Management of Quality, Cost and Delivery at “Gemba”; Work Standar in Japanese Company; 5S; “Muda” “Mura” and “Muri” in Japanese Management Style; Visual Management.

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: Chapter 14: Umeda Made Itte Kudasai; Chapter 15: Go-kazoku wa?; Chapter 16: Tsukaikata wo Oshiete Kudasai; Chapter 17: Dou shimashitaka?; Chapte 18: Shumi wa Nandesuka?; Chapter 19: Daietto wa Ashita Kara Shimasu; Review (Chapter 14-19); Chapter 20: Natsu Yasumi wa Dou Suruno?; Chapter 21: Watashi mo Sou Omoimasu; Chapter 22: Donna Apaato ga Ii Desuka?; Chapter 23: Dou Yatte Ikimasuka?; Chapter 24: Tetsudatte Kuremasuka?; Chapter 25: 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: Doko ni gomi wo dashitara ii desu ka; Nandemo tsukurerun desu ne; Ocha demo nominagara; Wasuremono wo shite shimattan desu; Chiketto wo yoyakushite okimasu; Intaneeto wo hajimeyou to omotte imasu; Byouki kamo shiremasen; Kore wa dou iu imi desu ka; Suru toori ni shite kudasai; Ryokousha e ikeba wakarimasu; Atama to karada o tsukau you ni shite imasu; Umi o umetatete tsukuraremashita; Katazukeru 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 the Japanese 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; Classic & Modern Literature Forms (Koten Bungaku and Kindai Bungaku); Japanese Literature Development 1 (Jodai period); Japanese Literature Development 2 (Chuko period); Japanese Literature Development 3 (Chusei period, part 1); Review; Japanese Literature Development 4 (Chusei period, part 2); Late Chusei (Kamakura period); Kinsei Period 1; Kinsei period 2; Modern Literature 1 (Kindai Bungaku 1): Enlightenment; Pseudo-classic & Realism; Review; Modern Literature 2 (Kindai Bungaku 2): Romanticism, Naturalism & Anti Naturalism.

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: describe The writing grammar, reading and conversation content N3 level, identify problems writing in accordance with grammar, reading content and content of conversation, apply the writing, grammar, reading and conversation content N3 level.

Topics: Gengo Chisiki, Moji goi N3, Gengo Chishiki, Bumpou N3, Gengo Chishiki, Dokkai N3, Choukai N3, Sougou Mondai I N3, Sougou Mondai II N3.

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 (*KENKYUURIRON*) (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; Background of research; 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; Describes the formulation of the theoretical framework; How to write a source quotation; Explain about the research methodology; Examples of types of research methods; Determining research methods; The Meaning of Data; Analysis of Data; The results and conclusion of research; Conclusion and how to write a bibliography.

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.

Topics: L 35 Economic Terminology; L 36 Kanji for Feelings; L 37 Kanji Lettering; L 38 Adjectives 3; L 39 Airport; L 40 Geographical Features; Fukushuu 1; L 41 Kanji Compound 2; L 42 University Life; L 43 Verbs of Change; L 44 Abstract Ideas; 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: Reproduce the grammar of basic Japanese sentence pattern which including greetings, demonstratiive words, formal and informal sentences; Combine the grammar of basic Japanese sentence pattern which including greetings, demonstratiive words, formal and informal sentences; Demonstrate the grammar of basic Japanese sentence pattern which including greetings, demonstratiive words, formal and informal sentences.

Topics: Hiragana; Katakana; Douzo Yoroshiku; Kazoku wa sannin desu; Nani ga suki desuka; Doko de tabemasuka; Heya ga mittsu arimasu; ii heya desune; Nan ji ni okimasuka; Itsu ga ii desuka; Shumi wa nan desuka; Issho ni ikimasenka; Douyatte ikimasuka; Yuumei na otera desu; Kawaii; Kore, kudasai; Tanoshikatta desu; Tsugi wa Kyoto ni ikitai desu; Fukushuu 1 Tabemono; Fukushuu 2 Yasumi no hi 1; Fukushuu 3 Machi; Fukushuu 4 Yasumi no hi 2.

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; Kisetsu to tenki; Watashi no machi; Fukushuu 1; Dekakeru; Gaikokugo to gaikoku bunka; Soto de taberu; Fukusshuu 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; Religionl 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: identify Japanese corporate culture & management, recognize Japanese corporate culture & management, and apply Japanese corporate culture & 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.

JAPN6117 - INTERMEDIATE JAPANESE (*CHUUKYUU BUNPOU*) (4 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Apraise level text containing intermediate grammar and vocabulary; Make a sentences with intermediate grammar in the text; Combine the intermediate grammar and vocabulary in the text and daily conversation and using it at presentation.

Topics: '-te moraemasenka, -you ni iu, -te hoshii, -to iu koto da, de aru, -no darou ka, -toka-, -kana, -ppanashi, etc.

JAPN6118 - TEXT ANALYSIS (*CHUUKYUU DOKKAI*) (4 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Understand and explain the writer's idea in a text; distinguish various types of reading such as a description, explanation, and the narration; Analyze and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.

Topics: Dokkai, Sokudoku, and Fukushuu.

JAPN6119 - BUSINESS JAPANESE II (*BIJINESU NIHONGO II*) (2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: identify Japanese business correspondence into real condition in the office. Recognize Japanese business customs. Apply Japanese business correspondence in dealing business.

Topics: Company words and expressions politely, sending postcard, business mailing, making phone call, and many more.

JAPN6120 - JAPANESE IN TRANSLATION II (*NIHONGO HONYAKU II*) (3 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: master the translation practice from Japanese to Bahasa and Bahasa to Japanese from the simple text to a more complex text.

Topics: Translation Theory; Japanese Advertising Translation 1; Japanese Advertising Translation 2; Japanese Advertising Translation 3; Japanese Manga Translation 1; Japanese Manga Translation 2; Japanese Anime/ Movie Translation 1; Japanese Anime/ Movie Translation 2; Oral Translation Theory 1; Oral Translation Theory 2; Oral Translation Theory 3; Oral Translation Theory 4; Oral Translation Practice 1; Oral Translation Practice 2; Tourism Hospitality; Planning City Tour; City Tour; Interpreting for Industries; Learning The Industry; Interpreting for Industries

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.

JAPN6134 - JAPANESE LANGUAGE I (4 Credits)
Learning Outcomes: On successful completion of this course, student will be able to: Reproduce basic Japanese grammar into sentence pattern which include greetings, demonstrative words, formal and informal sentences; Demonstrate basic Japanese grammar into sentence pattern which include greetings, demonstrative words, formal and informal sentences; Combine basic Japanese grammar into sentence pattern which include greetings, demonstrative words, formal and informal sentences.

Topics: Hiragana; Katakana; Review hiragana katakana; Watashi; Tabemono; Ie; Review 1; Seikatsu; Yasumi no hi 1; Machi; Kaimono; Yasumi no hi 2; Review 2.

JAPN6135 - JAPANESE LANGUAGE II (4 Credits)

Learning Outcomes: On successful completion of this course, student 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 grammars 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 chapter to express their mind in longer sentences

Topics: Review from Japanese Language I; Chapter 1: Watashi to kazoku; Chapter 2: Kisetsu to tenki; Chapter 3: Watashi no machi; Chapter 4: Dekakeru; Chapter 5: Gaikoku to gaikoku no bunka; Review Chapter 1-5; Chapter 6: Soto de taberu; Chapter 7: Shucchou; Chapter 8: Kenkou; Chapter 9: Oiwai; Review Chapter 6-9; Happyoukai (Final Presentation)

JAPN6136 - JAPANESE LANGUAGE III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Give examples Japanese grammar correctly in daily conversation; Explain about tourism in basic Japanese; Use Japanese related to tourism in basic level.

Topics: Self introduction; At the airport; At the hotel; At the restaurant; At the park; At the zoo; Review 1; Shopping; Buying souvenirs; Going to see Indonesian dance; To the hospital; Review 2; Presentation 1.

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: Speak The pronunciation appropriate; Explain The identity, the object surrounding, the activity, the preference and the direction with the preposition appropriate; Express The characteristic of person with the adjectives appropriate.

Topic: French pronunciation; Introducing yourself; The indefinite article; Number in French; Talking about nationality; Talking about the activities; Making negative sentence; Talking about the preference; The daily activity; Talking about the city; Talking about the direction; Making a question; Talking about the time.

LANG6018 – FRENCH LANGUAGE II (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 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.

LANG6019 – FRENCH LANGUAGE III (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Practice how to Handle the problem (in the hotel's room) in oral and written French; Practice how to take order for a breakfast in a room (room service) in oral and written French; Practice how to take order directly in the restaurant in oral and written French; Practice how to explain about the food in oral and written French; Practice how to handle the payment in the restaurant in oral and written French; Practice how to handle the payment in the hotel and how to handle the formalities before leaving in oral and written French.

Topics: Handling the problem (in the hotel's room); Room service; Taking order directly in the restaurant; Explanation about the food; Handling the payment in the restaurant; Handling the payment in the hotel and the formalities of the hotel's guest before leaving.

LANG6027 – 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.

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: Mengidentifikasi / menemukenali ejaan, kata, kalimat, paragraf,ungkapan, metafora, kiasan dan peribahasa, pengetahuan sastra sebagai materi pembelajaran Bahasa Indonesia untuk SD; 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; 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; Mengaitkan aspek- aspek keterampilan berbahasa:keterampilan menyimak, berbicara, membaca dan menulis dalam berkomunikasi baik lisan dan tulisan

Topics: Pendahuluan; EYD; Kata; Kalimat; Paragraf; Ungkapan, Metafora, Kiasan dan Peribahasa; Pidato; Surat dan Ringkasan; Wawancara dan Laporan; Pengetahuan Sastra; 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: Undertaking Introductory Arabic I shall understand basic competencies in reading, listening, speaking, and writing.

Topics: An introduction to Arabic language covering the core vocabulary (up to 100 most commonly used words) and grammatical structures of the language; Question-answer interaction and a practical command of commonly occurring conversational topics/situations.

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: Undertaking Introductory French I shall understand basic competencies in reading, listening, speaking, and writing.

Topics: An introduction to French language covering the core vocabulary (up to 100 most commonly used words) and grammatical structures of the language; question-answer interaction and a practical command of commonly occurring conversational topics/situations.

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 subjuctive 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, possesives, 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, possesives, 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 aplication of prepositions, adjectives etc; general review present tense application; general review past tenses application.

LANG6052 - FRENCH LANGUAGE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use the french verbs in the sentence based on french language regulation; Operate all verbs given by using the conjugation system; Speak the ideas and opinions in speaking task; Write the descriptive related to the person, object, itinerary and all daily needs in writing task; Read the daily life subject and answering the questions related to the text given.

Topics: Se presenter et parler du métier; Presenter son enterprise; Engager une conversation telephonique; Prendre contact par ecrit; Accueillir les passagers; Parler des gouts et des loisirs; Informer les voyageurs; Vendre un billet de train; Parler des endroits; Environnement; La visite touristique; Choisir une destination de vacances pour la classe I; Choisir une destination de vacances pour la classe II.

LANG6053 - ARABIC LANGUAGE I (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 skills.

Topics: Introduction to Arabic I; Arabic script and alphabet; Arabic Consonants and Vowels; Nouns (Isim); Personal Pronouns; Adjectives; Definite and Indefinite Articles; Building Sentences with Common Prepositions; Working with Verbs: The Past Tense; Arabic Number System; Present and Future Tense; Talking about yourself and your family; Making Small Talk on the Job (Mihna).

LANG6054 - SPAIN LANGUAGE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify basic Spanish vocabulary and grammar for daily usage; Express basic personal introduction; Explain the application of to be verbs.

Topics: Introduction of Spanish spoken countries, Spanish language history and the alphabet, basic phonetic system, and syntax (word order) and Introduction of masculine and feminine gender concept and definite/indefinite articles; Placement and agreement of adjectives, question tag, Introduction of prepositions and the contractions AL and DEL, the personal A, possession with DE; Introduction of pronouns, introduction of cardinal and ordinate

numbers and telling time; Time expressions: days of the week, months of the year, and expression of dates; Subject pronouns, the introduction of verbs SER and ESTAR and some it uses; Irregular verb TENER and Practizing personal introduction in Spanish; Meaning most common of the -AR, -ER, and –IR verbs and Introduction of Presente Indicativo of –AR ending verbs regular and irregular including reflexive forms; Introduction of Presente Indicativo of –ER and IR ending verbs regular and irregular including reflexive forms; Verbs practicing: expres obligation and needs, make simple questions and short frequent dialogue; Introduction of direct / indirect pronouns and Introduction of Presente Progresivo with gerund; Introduction of the verb Gustar and other similiar vebs and the form of adverbs and double object pronouns; Practice to introduce and daily activities; General review.

LANG6055 - FRENCH LANGUAGE II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Speak Using idioms related to tourism activities; Explain The places and request related to the tourism demand; Express The ideas and the feelings related to the tourism demand.

Topics: Etablir un programme d'animation; Plannifier des programmes; Animer un village de vacances; Faire vivre un endroit; Renseigner sur les manifestations; Informer a l'office de tourisme; Proposer des activites touristiques; Traiter des demandes ecrites; Savoir repondre un courriel; Promouvoir un site touristique; Le tourisme et le site internet; Des brochures pour informer; Creer des brochures.

LANG6056 – ARABIC LANGUAGE II (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Identify comprehensively Arabic sentences and other intermediate vocabularies; Recite simple sentences of Arabic; Explain grammar and writing of Arabic Language II; State Arabic Language II both for daily and academic needs.

Topics: Introduction to Arabic Language II; Arabic on Diplomacy and Tourism; Gender and Masculine in Arabic; Fiil Amar (Imperative) in Sentences; Vocabulary and Conversation: Coffee Time (Practice Speaking in Arabic); Everyday Vocabulary; Dhomir, anta (you), - ana (I am); Passive Sentences (Naibul Fail); Meeting People: Common and Academic; Culture: Guests' and Hosts' Roles; Reading Strategies; Knowing Isim Istifham (Interrogative Sentences); Arabic Language II for International Relations Students.

LANG6057 – SPAIN LANGUAGE 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 presente indicativo tense 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 subjuctive 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; Practice of past tenses preterito; Introduction of Pretérito imperfect; Práctica: Diferencia del uso de Pretérito, imperfecto y participio; voz pasiva; ir +a vs iba + a & Pretérito imperfecto de Estar + gerundio; Aplicación del infinitivo y Pronombres relativos; Adverbs and Writing skills; Práctica: Write activities or things that you used to do like or would like to do; Práctica: Write a formal or informal letter; Las conjunciones; Práctica de verbos Gustar y reflexivos; 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 tenses application; general review past tenses application.

LANG6058 - FRENCH LANGUAGE III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Mastering the knowledge and skills of French advanced with emphasis on aspects of speaking and writing are to be applicable in the context of tourism.

Topics: General information such as the entrance fee; local currency; distance; transportation, Information about the 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.

LANG6060 – SPAIN LANGUAGE III (4 Credits)

Learning Outcome: On successful completion of this course, students will be able to: Build confidence with grammar and vocabulary Spanish; Adopt reading, writing, speaking skills; Generate understanding the spoken language; Explain the different study of the Iberoamerican countries.

Topics: Review of present tenses; Review of past tenses; Introduction of Future tense; Introduction of Conditional tenses; Practica : Future and conditional tenses; Practica : all tenses; Know about Iberoamerica politic and economy; El turismo; Working group : Make a presentation of one country; Working group : Make a presentation of one tourism area; Reading and pronuntiation skill Presentation of Working group; Reading and pronuntiation skill Presentation of Working group 2; Listening comprehension, write and vocabulary; Listening comprehension, write and vocabulary el turismo; Review of grammar and Vocabulary; Historia y Cultura de paises hispanicos; Individual task : gastronomia, musica o deportes de Indonesia o Asia; Individual task : costumbre o celebraciones de Indonesia; Practica de conversacion de gastronomia, musica o deportes de Indonesia o Asia; Practica de conversacion de costumbre o celebraciones de Indonesia; Escribe tus planes y actividades diarias; Deportes modernos y tradicionales; Personas y gente; Música, baile y instrumentos musicales; General review; Repaso general.

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 Efektif; 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/ menemukenali 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 Indonesia di SD.

Topics: Hakikat Bahasa Dan Pembelajaran Bahasa; Pemerolehan Bahasa Anak; Pendekatan, Metode, Dan Teknik Pembelajaran Bahasa; 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 Tinggi; Pembelajaran Membaca Dan Menulis Permulaan (MMP); Pembelajaran Bahasa Indonesia Di SD/MI; Pembelajaran Bahasa Indonesia Dengan Fokus Membaca; Pembelajaran Bahasa Indonesia Dengan Fokus Menulis; Pembelajaran Bahasa Indonesia Dengan Fokus Menulis Tegak Bersambung; Pembelajaran Bahasa Indonesia Dengan Fokus

Menyimak; Pembelajaran Bahasa Indonesia Dengan Fokus Berbicara; Pembelajaran Bahasa Indonesia Dengan Fokus Sastra.

SUBJECT AREA: LAWS

LAWS6001 - THEORY OF STATE (2 Credits)

Learning outcomes: On successful completion of this course, students will have comprehensive insights and views the basic ideas of state and to prepare students in learning other courses related to state, such as constitutional law, administrative law, and international law.

Topics: Notion of state, elements of state, type of state, objectives of state, functions of state, pillars of government, state and constitution, concept of sovereignty, interstate collaboration.

LAWS6008 - CRIMINAL LAW (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: explain the legal principles of criminal law in general as well as those of Indonesian criminal law in particular.

Topics: Notion of criminal law, characteristics of criminal law, types of criminal action, crimes as regulated inside and outside the Indonesian Criminal Code, legal sources of criminal law, the regulation of criminal law in Indonesia, material aspects of crime, and connection between criminal law and business activities.

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 intellectual property rights (IPR) and how to protect the right holder according to the national law and international conventions on IPR.

Topics: Notion of IPR, types of IPR, the tenure of IPR protection, agreements on IPR, legal cases on IPR.

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 benerfits; 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 Interrnational 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 type of business entities; Explain requirements in specific business; Describe treatment of commercial contracts and how to settle a business dispute.

Topics: Introduction to civil and business law; Types of business entities; Indonesian business entities; Broker in Indonesia; Business contracts in Indonesia; Insurance business in Indonesia; Financial institutions; Sharia 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 understand the fundamentals of law as an important foundation for students to take any other courses in the following semesters.

Topics: Notion of law, legal system, legal discipline, legal objectives, legal sources, branches of law, parents legal system, legal principles.

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 influnce 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: explain the constellation of legal discipline in broader scope that includes branches of empirical sciences and how those sciences contribute their analyses in enriching the study of dogmatic legal science.

Topics: The general overview and importance of sociology of law, anthropology of law, politics of law, history of law, comparative law, criminology, and legal semiotics.

LAWS6083 - CONSTITUTIONAL LAW (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Explain Theory of Constitutional law; Describe Constitutional Law Concepts; Analyze Constitutional Law Implementation.

Topics: Introduction; Object of Constitutional Law; Study of Constitutional Law; Sources of Constitutional Law; Law and Constitutional Theory; Law and Constitutional Theory; 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; Regional Autonomy Implementation and it's Problems; Constitutional Amendment; Constitutional Amendment.

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; Classify and describe the use of private laws and regulations as a tool to solve the private problems; Analyze and provide 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; Security Law; Inheritance Law; Obligation Law; 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, in particular the theory of power binding, relationship, sources and subject, including the case study of International Law; Analyze the issue recognition, territorial sovereignity, state jurisdiction and state responsibility; Analyze the succession of states and settlement of disputes in International Law.

Topics: Introduction to International Law; Nature and Power Binding International Law; Relationship International Law and National Law; The Subjects of International Law; Case Study in International Law; Recognition in International Law; Sources of International Law; Treaties as a Source of International Law; Territorial Sovereignty; State Jurisdiction in International Law; State Responsibility in International Law; Succession of States in International Law; Settlement of Disputes in International Law.

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; Review Civil and Criminal procedural law mechanism and court trials process; Discover Civil and Criminal Procedural Law problems; Analyze Civil and Criminal procedural law case to solve such case; Assess Civil and Criminal Procedural law Court process in Indonesia; Prepare the Legal Documents needed in Civil and Criminal Courts hearing process.

Topics: Introduction to Civil Procedural Law; The Law and Regulations of Civil Court Procedures; Introduction to Criminal Procedural Law; Competency; Power of attorney; History Criminal Procedural Law in Indonesia; Application; Law suits; Pre-investigation & Investigation; Class Action Law suit; Summon; Efforts to Forcibly; Verstek; Mediation; Legal Rights and Position of Suspect and Defendant; Civil Court hearing process; Sequestration; Pre-prosecution & Prosecution; Conviction; Field Examination & Expert Explanation; Indictment; Pre-trial; Connection, Combining Case of Compensation Demands & Rehabilitation; Verdict; Types of Trial Procedures; Conviction (Criminal Procedural Law); Legal Remedy (Criminal Procedural Law); Legal Remedy; Execution (Criminal Procedural Law); Execution; Controller and Supervisor Judge; Lex Specialist of Criminal Procedural Law; Lex Specialist in Civil Procedural Law; The Newest Development of Criminal Procedural Law; Criminal Justice System; Criminal Procedural Law Court Hearing Simulation; Civil Procedural Law Court Hearing Simulation.

LAWS6087 - ADAT & AGRARIAN LAW (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to: explain the existence and functions of adat law in the Indonesian legal system, especially as the basic of agrarian law; and the application of agrarian legal principles and norms in the context of contemporary situation in Indonesia.

Topics: Notions of adat and agrarian law, elements of adat law, characteristics of adat law, connection between adat and agrarian law, characteristics of adat law, historical backgrounds of agrarian law, principles of agrarian law, subjects of agrarian law, entitlement, land tenure, land procurement, and connection between agrarian law and business activities.

LAWS6088 - PRINCIPLES OF BUSINESS LAW (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to explain the legal principles of business/trade/commercial laws in general as well as those applied in Indonesian positive laws in particular.

Topics: notions, legal sources, legal principles of business/trade/commercial laws, fundamentals of the Indonesian Commercial Code, corporate law, commercial paper, insurance law and freight, bankruptcy law.

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.

Topics: Investing in Indonesia; Overview Investment Law; Investment Law 1967; Investment Law 1968; Investment Law 2007 [1]; Investment Law 2007 [2]; Negative List Investment; Indonesia Investing Coordinating Board [BKPM]; Procedure Investment in Indonesia; Special Economic Zones [SEZs]; Joint Venture Agreement [JVA]; Settlement of Investment Disputes; ICSID: International Investment Dispute Settlement; Introduction to Capital Market Law; Legal Bases of Capital Market in Indonesia; 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; Transparancies in Capital Market; Merger; Crime and Fraud in the Capital Markets; 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, doctrine 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 explain the legal principles of business competition law and how those principles are applied in promoting fair business climate in the market.

Topics: Notion of monopoly and monopolistic practice, type of monopoly, dominant position, relevant market, prohibited agreements, per se illegal, rule of reason, prohibited actions, corporate strategies in business, and procedural law in the Business Competition and Supervision Commission.

LAWS6093 - ALTERNATIVE BUSINESS DISPUTE RESOLUTION (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to: Recognize the function of alternative dispute resolution forums to settling business disputes; Compare type of legal dispute and criteria to conduct a good negotiation, conciliation, mediation and arbitration as part of alternative dispute resolution forums; Apply negotiation, conciliation, mediation and arbitration as part of alternative dispute resolution to settling business dispute; Produce simple documents to support alternative dispute resolution process; Analyze several legal issues during the settlement dispute process.

Topics: Introduction to alternative dispute resolution; Alternative dispute resolution forums; 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; Telecomunication Law I; Telecomunication 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.

LAWS6109 – BUSINESS LAW IN CPR CONTEXT (2 Credits)

Learning Outcomes: On the successful completion of this Course, students will be able to: Explain the basic of business law, law related to business in general and its organizations, Apply the basic principles of business agreement and the use in business, Classify the legal aspects related to financial business and business risk, Classify the legal aspects related to creative business, Classify the legal aspects related to business media specifically, Apply the use of alternative dispute settlement in business.

Topics: Introduction to Legal Studies and Business Law; Legal Aspects of Company; Corporate Social Responsibility; Legal Agreements; Contract Drafting; Anti Monopoly Competition Law; Consumer Protection law; Labor and Employment Law; Legal aspects of financial Business; Legal aspects of Information and Electronic Transaction; Law on the Press and Broadcasting; Intellectual Property Rights Law; Business Dispute Resolution.

LAWS6110 – CYBER LAW (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Computer Crimes Activity; Analyze cyber law in different country; Explain and analyze forensic for cyber crimes activity

Topics: Computer Crimes Introduction; Computer Laws in Country; Hacker Profiling; Cyber Attack Terrorism & Warfare; Internet Gambling and Pornography; Digital Piracy; Cyber Victimization; Online Social Networking & Cyber Crimes; Cyber Bullying Crimes; Human Right Infringement in Digital Ages.

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: Explain basic concept of linear algebra; Solve Matrix Eigen Value 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 fungtional 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: Apply the concept of Probability, Random Variables and Distribution of Random Variables; Analyze Conditional Probability, Expectation of a Random Variable, Independent Random Variables, and Transformations of Several Random Variables; Evaluate probability of the events that have Binomial, Poisson and Normal Distribution.

Topics: Set Theory and Probability; Random Variables; Expectation of Random Variables; Distribution of Two Random Variables; Conditional Distribution and Expectations; Independent Random Variables; Transformations for Several Random Variables; The Binomial and Related Distributions; The Poisson Distribution; The 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: 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

MATH6015 - APPLIED LINEAR ALGEBRA (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Solve System of Linear Equation and its application; Explain Matrix Operations and its application; Calculate Determinant and its application; Explain Vector Spaces and Inner Product Spaces and its application; Explain Linear Transformation and its application; Calculate Eigenvalues and Eigenvectors and its application.

Topics: System of Linear Equation; Matrix; Application of Linear System; Determinant; 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 expressions and will be able to determine divisibility, prime factor, GCD, and their applications.; Identify the structure of sets with binary operations.; Explain the concept of algebraic structures, mainly about group and ring theory.; Apply the concept of algebraic structure in coding theory and cryptography.; Demonstrate to determine divisibility of polynomials, to find the GCD of polynomials, to factorize polynomials, and to find zeroes of polynomials.

Topics: The Set of Integers and Its Properties; Group Theory; Homomorphism and Factor Groups; Group of Permutations; Rings and Fields; Ideals and Quotient Rings; Rings of Polynomials; Introduction to Coding Theory and Crypthography

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 the concepts of number series and its applications; Understand the concepts of series and function and its applications; Explain the concepts of topology and its applications; Demonstrate exponential, logarithmic and trigonometric functions; Create metric space; Connect the concept of improper and lebesque integral; Explain the concepts of Riemann integral and generalized Riemann Integral and its applications; Understand the concepts of limit and its applications.

Topics: Series and number series of real number; Limit; Continuous functions; Differential; Riemann Integral; Series and functions; Infinite series; Generalized Riemann integral; Introduction to topology.

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.

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: Make transformation pattern by elementary function; Select theorem to calculate complex function integral, Describe various elementary functions and its properties; Calculate and apply residue and pole into integral calculation, Describe the types, operation and properties of algebra at complex number; Describe the definition of complex function, limit, continuity, differentiation, analytic and harmonic function.

Topics: Complex number algebra; Complex function; Elementary function; Complex function integral; Complex series; Residue and pole; The use of residue and pole; Mapping and transformation.

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; Inroduction 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: Explain the logic of compound and quantified statements and how do to proof; Explain and applying counting method; Explain set theory; Explain Function, recursion, fuzzy set and relations; Explain Graph and its application; Explain Automata and its application.

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; Function, recursion, and fuzzy set; Relations; Graphs and Trees; 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 fuzzy programming; Introduction to non-linear programming; Integer programming; Dynamic programming.

MATH6030 – LINIER 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: Understand basic concepts of calculus such as limits, derivatives, integrals, infinite series and differential equations, together with their applications in real problems.

Topics: Functions, Limits and Continuity, Derivatives, Applications of Derivative, Integrals, Techniques of Integration, Applications of Integral, Functions of Two or More Variables, Infinite Series, First Order Differential Equations.

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 and applying counting method, Explain set theory, Explain Function, recursion, fuzzy set and relations, Explain Graph and its application.

Topics: The Logic of Compound Statements, The Logic of Quantified Statements, Counting, Set Theory, Function, Recursion, and Fuzzy Set, Relations, Graphs and Trees.

MATH6038 – CALCULUS I (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand basic concepts of single variable calculus; Interpret formulations geometrically and phisically; Understand basic concepts of Infinite Series; Use single variable calculus for simple real problems.

Topics: Preliminaries; Limits; The Derivatives; Transcendental Functions; Applications of the derivatives; The Integral; Techniques of Integration; 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.

MATH6040 – QUANTITATIVE METHODS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Select the decision alternatives by quantitative analysis; Solve the transportation, inventory and waiting line models; Apply the quantitative methods for solving the real problems.

Topics: Decision analysis; Utility and game theory; Forecasting; Linear programming and sensitivity analysis; Linear programming application; Transportation and assignment problem; Inventory models; Waiting line models; Multicriteria decisions; Presentation.

MATH6041 – THESIS/FINAL PROJECT (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 the basic concept of mathematics; Apply formula of mathematics concept properly; Analyze the problem of economic and business using formula in basic concept mathematics.

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; Additional Differentiation Topics; 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 Annuities; Life Insurance; Net Premium; Life Table and Annuities; Exercises and Quiz 1; Exercises and Quiz 2; 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 using Python; Explain data structure and object oriented design using Python; Express good program design and testing using Python; Apply programming skills in solving real-world problems using computer.

Topics: Writing Simple Programs; Computing with Numbers; Computing with Strings; Objects and Graphics; 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; Symmetric Matrix Eigenvalue Problems; Explain to sulution 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; Vectors and Coordinates in R2; Straight Lines in a Plane; Linear and Affine Transformations in R2; Conics; Vectors and Coordinates in R3; Lines and Planes in Space; Linear and Affine Transformations in R3; Quadrics; Geometric Algebra 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 Modulon; 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: Describes basic definition on coding theory; Use simple error detection methods; Describes linear codes and its bounds.

Topics: Introduction; Error detection; Hamming distance; Minimum distance decoding; Finite Fields; Polynomial Rings; Linear codes; Bases for linear codes and generator matrix; Encoding with linear codes; Decoding with linear codes; Bounds on coding theory; Reed-Muller code.

MATH6064 – APPLIED PROJECTIVE GEOMETRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basics of the Projective Geometry; Discuss the algorithms of the Projective Geometry and its application in Computer Vision; Implement the application of the Projective Geometry using Open CV.

Topics: 2D and 3D Vision Formation; Basics of the Projective Geometry; Division Ratio and Cross Ratio; Group of Projective Transformations; Projective Invariants; Image Warping Procedures; Projective Algorithms; Programming Techniques for Computer Vision using Open CV.

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; Describe convenient data structure for convex hull, triangulation, voronoi diagram and point location; Devise algorithms and data structure for geometric problems using OpenGL and CGAL.

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 Criptography; Apply the Encryption tehniques to the solve problems; Solve the block ciphers and data Encryption problems and application; Analyze the RSA Crytography at application to computer security system.

Topics: Computer Security Concept; Classical Encryption Tehniques; Block Cipher & Data Encryption; Modes of Operation; Basic Concept in Finite Fileds; 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: Explain the strength and limitations of numerical methods to be applied in a variety of mathematical problems; Solve mathematical problems that can not be solved analytically.

Topics: Error analysis and its propagation; Roots of equations; Linear Algebra equation systems (Elimination method); Application in Civil Engineering field; Linear Algebra equation systems (Iteration method); Numerical integrations; Numerical Solution of Differential Equations; Curve Fitting; Interpolations; Partial 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; Recognize International Mathematics Curriculum; Perform as a Primary Math Teacher in the classroom situation; Design Mathematics lessons for lower primary level in classroom situation based on National Curriculum; Design Mathematics lessons for higher primary level in classroom situation based on National Curriculum.

Topics: Course Overview & Introduction to Mathematics for Primary Students; Mathematics National Curriculum for Primary Level; Lower Primary Level (P1-3): Number Theory; Lower Primary Level (P1-3): Addition and Subtraction; Lower Primary Level (P1-3): Concept of More and Less & Simple Fraction; Lower Primary Level (P1-3): Simple Geometrical Figures; Lower Primary Level (P1-3): Multiplication and Division; Lower Primary Level (P1-3): Time Measurement & Money; Piaget Theory and Vygotsky Scaffolding for Learning Mathematics; Upper Primary Level (P4-6): Advance Addition and Subtraction; Upper Primary Level (P4-6): Advance Multiplication and Division; Upper Primary Level (P4-6): Operation of Fractions; Upper Primary Level (P4-6): More Geometrical Figures; Upper Primary Level (P4-6): Estimating & Rounding off; Upper Primary Level (P4-6): Measurement (Scale, Ratio and Speed); Upper Primary Level (P4-6): Common Factors and Multiples; Upper Primary Level (P4-6): Basic Statistic; Cambridge Mathematics Curriculum for Elementary Level; Numbers: Patterns & Notation; Doubled, Halved & Probability; Modeling & Algebra; Problem Solving (One – Two – Three Steps; IB Mathematics Curriculum for PYP; Handling Slow Learners and Difficult Students; Experiential Learning: Bringing Labs to Practical; Summary to a Successful Primary Mathematics Teacher.

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, quantitites 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; Function of two or more variables; The definite integral; Techniques of Integration; Improper integrals; Application of integral; Infinite series

MATH6095 – APPLIED MATHEMATICS MODELING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand several mathematics models; Construct mathematics models both manually and using computer; Implement the mathematics models to solve the real problems.

Topics: Introduction to model; Quantitative modeling; Decision-making; Decision terminology; Decision making with principle data; Networking project planning model; Critical path method project; Work analysis path project; Game model; Graphic Method; Brown method; Forecasting model; Forecasting solution method; Inventory control model; EOQ model; Deterministic model; Queueing model; Single and multiple queueing model; Markov model and its applications; Simulation model; Probabilistic simulation; Simulation model applications.

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 combine 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 lighting and camera theory; Rigging hierarchy, layer based 2D Character with parent & child in composition; Approaches Keyframe for animation and Curve; 3D compositing; 3D camera in compositing scene; 3D Motion Graphic & Particles in After Effects; 3D Layers Projection Camera in After Effects; Creative Visual Effect; Experimental media and live action; Compositing skills in the industry; 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 Extention; 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: Examine project management roles and environments, the project life cycle and various techniques of work planning, and control and evaluation to achieve project objectives.

Topics: Project management concepts, project organizational structures, project organizational behaviors, applied project planning, resource allocation, cost estimating and budgeting, project measurement and control, project evaluation and 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, making decisions, business environment, economic condition, social resposibilty 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 organis ctructure, 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 Organizations; Global Management; Decision Making; Foundations of Planning; Strategic Management, Foundations and Contemporary of Organizational Design; Change and Innovation; The Diverse Workforce; Human Resource Management; Groups and Teams; Communication; Motivation; Leadership; Foundations of Control; Taking risks and Making Within the Dynamic Business Environment; Understanding How Economics Affects Business; Demanding Ethical and Socially Responsible Behaviour; How to Form a Business; Enterpreneurship and Starting a Small Business; Production and Operations Management; Marketing: Helping Buyers Buy; Developing and Pricing Goods and Services; Distributing Products; Using Effective Promotions; Financial Management; Using Securities Markets for Financing and Investing Oppurtunities

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; Apply 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 and Development; Management and Organization Development; Career Management; Performance Management and Appraisal; Organizational Reward System; Base Wage and Salary System; Incentive Reward; Employee Benefit and Non-Financial Compensation; A Safe and Healthy Work Environment; Internal Employee Relation; Collective Bargaining; HR Separation; 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; Interpret how products and services are managed by Operations Management.

Topics: Introduction to Operations Management; The Global Environment and Operations Strategy; Product Design; Quality Management and Statistical Process Control; Process Design and Capacity Planning; Capacity Planning; Location Decision; Layout Decisions; Managing the Supply Chain; Managing Inventory; Aggregate Scheduling; Material Requirements Planning (MRP) and ERP; Scheduling for the short Term; JIT and Lean Operations; Maintenance and Reliability Decisions.

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: Define Knowledge Management and other related terms; Explain factors needed in designing Knowledge Management; Relate Knowledge Management to organization strategy; Design Knowledge Management implementation in organization.

Topics: Introduction to Knowledge Management; The Nature of Knowledge and Its Aspects; Intellectual Capital; Strategic Management Perspectives; Creating Competitive Advantage with Knowledge Management; Organization Learning; KM in Products Industries: Case Study; The Learning Organization; Knowledge Management Tools; Knowledge Management Systems; KM in Services Industries: Case Study; Enabling Knowledge Contexts and Networks; Implementing 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.

MGMT6074 – INTRODUCTION TO MANAGEMENT AND BUSINESS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe principles of management, doing and managing business in a global environment, foundation of management functions, business environment, economic condition; Explain types plan and MBO , tools for measuring organizational, contemporary theory of leadership, process of control, different markets, factors economics to affect the business, flexible-lean and mass customization manufacturing, appraising employee performance, factors to influences the buying decision making process, key financial statements and ratios; Apply function and role in management, tools measuring organizational, buying decision, routing of production, motivation, resources of financial.

Topics: Foundation of Management and Business; Global Management; Foundation of Planning; Foundations and Contemporary of Organizational Design; Comunication and Leadership; Foundations of Control; Taking Risk and Making Profits Within Dynamic Business Environment; Understanding How Economics Affects Business; Entrepreneurship Starting a Small Business; Production and Operations Management; Human Resources Management: Finding and Keeping the Best Employees; Marketing: Helping Buyers Buy; Financial Management.

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.

MGMT6164 - ORGANIZATIONAL BEHAVIOR IN TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify individual behavior; Describe group behavior; Apply organization system; Analyze individual behavior, group behavior and organization system in tourism industry.

Topic: What is organizational behavior; Diversity in organization; Attitudes and job satisfaction; Emotions and moods; Personalities and values; Perception and individual decision making; Motivation: From concepts to applications; Foundations of group behavior; Field Trip / Understanding work team; Leaderships; Conflict and negotiation; Foundation of organization culture; Organization culture.

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: This course will covers topics such as The Service Profit Logic and Service Management Principles; Service and Relationship Quality; Quality Management in Services; Return on Service and Relationships; Managing the Augmented Service Offering; Managing Productivity in Service Organizations; Managing Marketing or Customer-Focused Management; Managing Integrated Marketing Communication and Relationship Communication; Managing Brand Relationships and Image; The Role of Social Media in Services Management; Customer-focused Organization: Structure, Resources and Service Processes; Managing Internal Marketing: A Prerequisite for Successful Customer Management; Managing Service Culture: The Internal Service Imperative; and Transforming a Manufacturing Firm into a Service Business.

MGMT6298 – HUMAN RESOURCES MANAGEMENT IN HOSPITALITY (2 Credits)
Learning Outcome: 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: The Challenges of HRM; Job Design; Job Analysis; Human Resource Planning; Recruitment; Selection; Training and Development; Career Management; Performance Management and Appraisal; Organizational Reward System; A Safe and Healthy Work Environment; HR Separation; Global HRM.

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-misssion 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 Matriks 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; 21th 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.

MKTG6121 - MARKETING IN TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Marketing Mix; Describe Marketing Planning; Apply Communicating and influencing consumer; Analyze Marketing Mix, Marketing Planning, communicating and influencing consumer.

Topic: Introduction: Introducing marketing: the systematic thought process; Market segmentation for travel and tourism markets ; The evolving marketing mix for tourism services; Planning marketing strategy; Planning marketing campaigns: budgeting and evaluating marketing performance; E-marketing: the effective use of ITC; Integrating the promotional and communications mix; Marketing tourism destinations; Field Trip; Marketing passenger transport; Marketing visitor attractions; Marketing inclusive tours and product packages; Case studies of marketing practice in travel and tourism.

MKTG6128 - MARKET RESEARCH (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Make marketing decisions; specifically, how the information is gathered and analyzed and used to help organization make marketing decisions. Students will learn how to compose feasible research question, design marketing research process, and find out about source of marketing information. By learning this course students will be able to design and execute a basic survey research project.

MKTG6233 - MARKETING MANAGEMENT IN HOSPITALITY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define hospitality marketing concept and outline the steps in the marketing process; Outline 8Ps approaches to hospitality marketing; Apply integrated marketing plan strategy in the hospitality business; Analyze marketing environment; Prepare marketing plan

Topics: Introduction of Marketing for Hospitality and Tourism; Service Characteristics; The Role of Marketing in Strategic Planning; Marketing Environment; Traditional 4Ps of Marketing; Additional 4Ps of Hospitality and Travel Marketing; Consumer Markets and Consumer Buying Behavior; Organizational Buyer Behavior of Group Market; Marketing Information System and Marketing Research; Internal Marketing; Market Segmentation; Market Targeting and Positioning; Designing and Managing Products; Pricing Products; Distribution Channel; Communication and Promotion Policy; Advertising; Public Relations; Sales Promotion; Professional Sales; Direct Marketing; Online Marketing; Marketing Plan I; Marketing Plan II; Marketing Plan III- Part A; Marketing Plan III- Part B

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 behaviour; 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; 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.

MOBI6003 – INTRODUCTION TO MOBILE APPLICATION AND TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the fundamental & terminologies of mobile application Technology; Demonstrate the utilization of mobile application technology in daily processes; Examine the recent of mobile application technologies and their usage; Recognise each components of mobile application technology; Recognise several systems and software of mobile application technology.

Topics: A 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.

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.

MOBI6008 – MOBILE GAME CREATIVE DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain The fundamental & terminologies of mobile game creative design; Create Application & requirements of mobile game creative design; Examine Technologies od mobile hardware and software; Construct Player interaction related with of mobile creative game; Construct Mechanics and post-production mobile game.

Topics: Operating Systems - Mobile and Otherwise; The Mobile Indie Team; Graphics for Mobile; Audio for Mobile Coding Games; Mobile Game Controls; Interface Design for Mobile Games; Mobile Games Engines; Prototyping; Balancing, Tuning, and Polishing Mobile Games; Mobile Game Design; Pitching a Mobile Game; Final project presentation.

MOBI6009 – MOBILE MULTIMEDIA SOLUTION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain 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 Programming; Swift Programming Language; User Interfaces and Controllers; Rotations and Adaptive Layouts; Table View Application; Multiview Application; Application Settings and User Defaults; Database Storage; Managing Documents; Web Services; Taps, Touches, Gestures and Sensors; Maps and Location; 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 Android Language Concept; Describe the main features of Android Language and Development; Demonstrate Simple Android Programs using the main features of Android Language; Construct Mobile Application based on Android Platform.

Topics: Quick Start + Java vs. the Android Language and APIs; Key Concepts; Designing User Interface; Exploring 2D Graphic; Multimedia; Storing Local Data; The Connected World; Locating and Sensing; Putting SQL to Work; 3D Graphics in OpenGL; Multi-touch; Write Once, Test Everywhere; Publishing to the Android Market.

MOBI6023 - MOBILE USER EXPERIENCE (2 Credts)

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: Mobile Design Composition; Mobile Display Information; Mobile Control and Confirmation; Mobile Extra Information Revealed; Mobile Lateral Access; Mobile Drilldown; Mobile Labels and Indicator; Mobile Information Control; Mobile Text and Character Input; Mobile General Interactive Controls; Mobile Input and Selection; 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.

MOBI6025 - MOBILE APPLICATION SECURITY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Design highly isolated, secure, and authenticated mobile applications; Use the emulator, debugger, and third-party security tools; Employ private and public key cryptography on Mobile devices; Identify and eliminate holes in Mobile Operating System.

Topics: Top Mobile Issues and Development Strategies; Android Security; The Apple Iphone; BlackBerry Security; Windows Mobile Security; Java Mobile Edition Security; Symbian OS Security; Web OS Security; WAP and Mobil; HTML Security; Bluetooth Security; SMS Security; Mobile Geolocation; Enterprise Security on the Mobile OS.

MOBI6026 - MOBILE CLOUD COMPUTING (2/2 Credts)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the Mobile Cloud Computing; Describe Fundamental knowledge of Mobile Cloud Computing; Create Simple Mobile Apps by Applying Error-Handling; Build mobile application, by covering key topics in mobile app development and cloud computing.

Topics: Introduction Cloud-Based Mobile Apps; Mobilizing Your App; Building Mobile Web Apps; Enhancing Your App; Building Apps in the Cloud; Use the Cloud; Enhancing the User Experience; Working with the Cloud; Creating Hybrid Apps that Run Natively; Building a Photo-Blogging App; Working with Cloud Development Services; Going Social, App Stores and Selling Your App; Review and Group Project Presentation.

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; Define Business Plan and the Showcased potential business plan.

Topics: Introduction to Mobile Testing; Challenges in Mobile Testing; Who Needs the Mobile Apps?; Traditional Software Testing; Mobile Specific Testing; Who are Our Next 10 Customers in Mobile Apps Business?; High Specifications in Mobile Apps Business; Quantifying the Value Propositions in Mobile Apps Prods/Services; Mobile Test Automation and Tools; Where is Your Positions? (Chart Competitive Position); Designing Business Model of Mobile Apps Business; Additional Testing Methods; Mobile Test and Launch Strategy.

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 INDUSTRAL 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.

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; Narrative Recording; Interval Recording; Event Recording; Ratings Recording; An Introduction to Interviewing; An Interpersonal Communication Process; Questions and Their Uses; Structuring the Interview; Preparing the Interview; Dealing with Client.

PSYC6022 – EXPERIMENTAL METHODS IN PSYCHOLOGY (2/2 Credits)
Learning Outcomes: On successful completion of this course, students will be able to: Describe experimental research designs in psychology; Apply experimental research methods in psychology; Design an experimental research in psychology, including data analysis and interpretation accordance with APA's (American Psychological Association) ethical consideration; Compose experimental research report in accordance with APA (American Psychological Association) style.
Topics: Experimental Psychology and the Scientific Method; Alternative to Experimentation 1 & 2; Formulating Hypotheses and Theory; The Basic of Experimentation; Control of Extraneous Variables; Basic Between Subject Design; Between-Subjects Factorial Designs; Within Subject Design 1; Within Subject Design 2; Within Subject Design: Small N; Analyzing results.

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 Psychophatology; Paradigm in Psychopathology; Diagnosis & Classification; Research Methods in Clinical Psychology; Clinical Assessment: Interview; Schizophrenia; Sexual Disorders; Late life and Neurocognitive Disorders; Mood Disorders; Anxiety Disorders; Obsessive Compulsive Related & Trauma Disorders; Dissosiative Disorders & Somatic Symptom Disorders; Personality Disorders; Eating Disorders; Substanse Use Disorders; Neuropsychology; Clinical Intervention; Community Psychology; Health Psychology; Forensic Psychology;' Ethical Issues and Clinical Psychology in Indonesia.

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 potential showcase 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; Analyze the application of psychological principles in e-learning; Evaluate the existing e-learning curriculum.

Topics: Definition of e-Learning; Pedagogy, andragogy and cybergogy; Collaborative & social media; Using ICT in supporting learning; Technology mediated learning; Basic Theories in e-Learning; Pedagogy Concepts in e-Learning; Strategies of e-Learning.

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: This course requires students to conduct psychological research in the area of community psychology and write research reports in accordance with the theory and ethical codes of psychology.

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.

PSYC6115 – INTRODUCTION TO GUIDANCE AND COUNSELING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of guidance and counselling, master guidance and counselling skills and apply them in the learning process

Topics: The Principles of Guidance and Counselling, Guidance and Counselling Skills for Primary School Students, Teachers as Counsellors

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 idustrial & organizational psychology; designing a psychological intervention to provide an alternative solution in dealing with a problem in the area of idustrial & 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 research designs in psychology; Apply 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 and critically examine social psychological research methods; Integrate findings of and evaluate application of social psychological empirical research; Analyze social phenomena based on theories and principles underlying social psychology.

Topics: Introducing Social Psychology; Research in Social Psychology; Social Cognition and Social Perception; The Self; The Need to Justify Our Actions; Attitudes and Attitude Change; Conformity; Group Processes; Interpersonal Attraction; Prosocial Behavior; Aggression; Prejudice; Social Psychology in Action.

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: Explain the basic theories of early childhood education; Analyze the application of psychological principles in early childhood education; Evaluate the existing curriculum for early childhood education.

Topics: Scope and Need for Early Childhood Education; Rationale Supporting Early Childhood Education; Accountability, Standards, and Assessment; The Children and The Families; The Teachers and Caregivers; The Physical Environment; Scheduling and Curriculum Planning; Creative Development through Curriculum; Social Development through Curriculum; Helping Children Cope with Stress; Cognitive Development through Curriculum; Language Development through Curriculum; Physical Development through Curriculum.

PSYC6125 - PSYCHOLOGY OF SPECIAL NEEDS EDUCATION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts of special needs; Analyze the application of psychological principles in special needs education; Evaluate the existing special needs education’s curriculum.

Topics: Introduction to Special Education; Parents, Families, and Exceptionality; Policies, Practices, and Programs; Individual with Hearing Impairment; Individual with Visual Impairment; Individual with Physical Disabilities, Health Disabilities, and Related Low-Incidence; Individual with Speech and Language Impairment; Individual with ADHD; Individual with Autism Spectrum Disorder; Individual with Intellectual Disabilities or Mental Retardation; Individual who are Gifted and Talented; Individual with Learning Disabilities; Individual with Emotional or Behavioral Disorder.

PSYC6127 - INDIGENOUS PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe how culture influences human behavior; Explain how the creation of theories of Psychology and the identification of problems and issues is culturally determined; Formulate concept of intelligence, creativity, self, etc. within/between cultures; Discuss ethical issues within multiculturality research in Psychology.

Topics: Contributions to Indigenous and Cultural Psychology: Understanding People in Context; The Scientific Foundation of Indigenous and Cultural Psychology: The Transactional Approach; The Importance of Constructive Realism for the Indigenous Psychologies Approach; Constructive Realism and Confucian Relationalism: An Epistemological Strategy for the Development of Indigenous Psychology; From Decolonizing Psychology to the Development of a Cross-Indigenous Perspective in Methodology; Family and Socialization: Indigenous Psychological Perspective; Cognitive Processes: Indigenous Psychological Perspective; Self and Personality: Indigenous Psychological Perspective.

PSYC6129 - ORGANIZATIONAL BEHAVIOR AND LEADERSHIP (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Choose leadership concept that suitable to situation; Describe leadership complexity some variables or aspects that influence leadership effectiveness; Demonstrate solving the problem or leadership phenomenon in some different organization's situation; Identify facts, aspects, factors, variables on leadership.

Topics: Introduction (What Is Organizational Behavior?); The Individual (Diversity in Organizations, Attitudes and Job Satisfaction, Emotions and Moods, Personality and Values, Perception and Individual Decision Making, Motivation: From Concepts to Applications); Group: Foundations of Group Behavior; Group: Understanding Work Teams; Group: Communication; Group: Leadership, Policies, and Decision Making; Group: Power and Politics, Conflict and Negotiation; Organization System: Foundations of Organization Structure; Organization System: Organizational Culture; Organization System: Organizational Change and Stress Management

PSYC6130 - HUMAN PERFORMANCE TECHNOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts of human performance; Analyze the application of industrial & organizational psychology's principles in improving performance; Create the intervention design to improve performance in industrial area.

Topics: Foundation of Human Performance Technology; The performance technology process; Intervention at the worker and work team levels; Intervention at the workplace and organizational levels; Performance measurement and assessment; Performance technology in action

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; Apply 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 (Guest Lecture Specialist); Cognitive test; Cognitive test construction 1 (selected response item); Cognitive test construction 2 (constructed response item); Item Analysis of cognitive test (qualitative approach); Non-cognitive test; Non-cognitive test construction 1 (Thurstone's Scale); Non-cognitive test construction 2 (Likert's Scale); Non-cognitive test construction 3 (Semantic differential); Item Analysis of non-cognitive test (qualitative approach); Psychometric analysis of test.

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; Explain the jargon researcher use (in good Indonesian and English) and some of the major issues in research (e.g. types of questions, the role of time, types of relationships); Examine psychology journal articles fast and summarize the content in student's own words; Employ ethical conduct in academic writing by avoiding plagiarism and/or other academic cheating; Apply citing recourses used in the body and the reference list of research document using the current Publication Manual of the American Psychological Association.

Topics: Introduction to 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; Collonialism 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 Spesial 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 pscyhology; 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 pscyhology; Develop strategies for exceeding project criteria or, in the absence of such criteria, to met their own project performance criteria.

Topics: Clinical Psychology; Educational Pscyhology; 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 Urban Psychology as stated in "Report of the Task Force on Urban Psychology Toward an Urban Psychology" (APA); Discuss the nature and changing character of the city and the urban experience - including the larger social, political, and economic dynamics of urban change; Explain the dynamic of interactions within and between humans (and societies) and nature in urban environments; Identify and illustrate context-responsive research methods, which are useful in complex urban environments characterized by interpenetration among multiple systems, heterogeneity of cultural contexts, and rapid changes.

Topics: Definition of Urban; Urgency on Urban Psychology; Methodological Approaches to Urban Psychology; Environmental Psychology; Private and Public Space; Citizens as Individual and Group; Urban Populations and Intergroup Relations; Urban Social Issues; Urban Physical Environments: Challenges, Assets, and Initiatives; Psychology and Urban Institutions; New Directions for Urban Research; New Practice and Social Intervention Opportunities.

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 center; 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: implement measures used in knowledge management; explain how to manage knowledge creation; describes the knowledge management; shows that organizations are using knowledge management.

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 the context of Learning Organization; Three Pilars of Learning Organization; Building Learning Organization.

PSYC8126 - PSYCHOLOGY OF INSTRUCTIONAL DESIGN (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts of educational instructional design; Design the instructional design in educational area; Evaluate the implementation of instructional design in educational area.

Topics: Introduction (reviews on educational psychology); ADDIE Overview, and basic principles of instructional design; Analysis (Introductional to analyze phase); Analysis (Identify required resources); Design (Introduction to design phase); Design (Instructional goals); Development (Introduction to develop phase); Development (Develop guidance for students); Development (Develop guidance for teacher); Implementation (Introduction to implement); Creating learning strategy, Evaluation (introduction to evaluation phase); Evaluation (evaluation tools).

PSYC8128 - PSYCHOLOGY OF SOCIAL INTERVENTION (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Discuss the intellectual and applied traditions that provide a foundation for psychological interventions; Design and refine intervention experiment grounded in psychological theory based on a workshop model; Implement initial processes for gathering information and evaluating the success of an intervention.

Topics: Applying Social Psychology; The Problem Phase: From A Problem to A Problem Definition; The 5Cs of Social Action; The Analysis Phase: Finding Theory-based Explanations for Problems; The Test Phase: Developing and Testing The Process Model; The Help Phase: Developing The Intervention; Looking Backward and Forward.

PSYC8131 - PSYCHOLOGY OF TRAINING & DEVELOPMENT (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the role, challenges, of Training in Organization; Describe steps, factors, and component affecting the Analysis Phase; Design training Program based on Need Assessment; Select appropriate training methods & Audio-Visual Selection (Traditional / CBT); Develop and deliver Training Session; Develop evaluation tools for measuring training effectiveness.

Topics: Goals of Training & Development; Basic Theories & Principles of Traning & Development; Analysis of organization, person and task; Designing training & development; Developing training & development; Techniques of training & development [games, role play, case studies]; Evaluating training & development.

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 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, probability, sampling estimation and hypothesis testing; Apply the correlation analysis, linear regression and multiple regression; Analyze issues in regression analysis, time series analysis and portfolio analysis; Explain the multifactor Models, modern portfolio theory, and arbitrage pricing theory.

Topics: Statistical Concepts and Market Returns; Probability Concepts; Common Probability Distribution; Sampling and Estimation; Hypothesis Testing; Hypothesis Test Concerning Variance; Correlation Analysis; Linear Regression; Multiple Regression; Issues in Regression Analysis; Time Series Analysis; Autoregressive (AR); Multifactor Models.

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.

RSCH6028 - RESEARCH METHOD AND STATISTICS (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Define the meaning all aspects of tourism research and statistics; Explain research approaches (Quantitative, qualitative and mixed method); Design research instruments and using appropriate tools (SPSS); Apply research findings.

Topics: What is research?; Formulating the broad research question; Developing academic reading skills; Technique for effective academic reading; Developing literature review skills; Articulating the research aim; Research philosophies, approaches and strategies; Quantitative versus qualitative research; Developing research instruments; Observation; Data collection techniques; Sampling; Increasing the research credibility; Writing research proposal; Conducting the fieldwork; Analysis of qualitative data; Computer-assisted Data Analysis (SPSS); Coding and entering data for analysis (SPSS); Analysis of quantitative data; Survey analysis; Statistical analysis; Data interpretation; The Case Study in Tourism Research; Other tourism research approach; Writing up the Dissertation/paper; Presenting and discussing research findings.

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?.

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.

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.

RSCH6286 – EES 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.

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.

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 Credits)

Learning Outomes: 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.

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 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.

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"s law, and its application; Explain basic concept of electric potential; magnetic fields; induction and inductance; and its application; Solve capasitance, 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.

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; Introduction to Chemistry Laboratory; Mole concept/stoichiometry; Chemical reactions; 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: Describe The nature and behavior of chemical bonds; Recognize The basic reactivity of some major functional groups Such as carboxylic acid derivates, amines, phenols, aromatic Compound, benzene, Aldehydes and Ketones; Identify The mechanisms for some of the common reaction types; Classify the Carbohydrates and lipids, forms of Carbohydrates, and chemical reaction; Categorize the amino acids, Peptides, Proteins and biosynthesis protein, ATP, and Bioenergetics.

Topics: Structure Determines Properties; Alkanes, alkenes, and alkynes; Alcohols; Streochemistry; 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: Describe about sampling, sample preparation and statistical treatment; Explain the principle of gravimetry, volumetric analysis, UV-Vis spectrometry, IR Spectrometry, atomic spectroscopy and Use the UV-Vis spectrophotometry; Distinguish the principle of variety techniques of analysis (gravimetry, volumetric analysis, UV-Vis spectrometry, IR Spectrometry, atomic spectroscopy); Explain the principle of various forms of electrophoresis and chromatography, mass spectrometry, electroanalytical and Use the electrophoresis and chromatography; Distinguish the principle of variety techniques of analysis (various forms of electrophoresis and chromatography, mass spectrometry, electroanalytical).

Topics: Introduction to Analytical Science and Sample Preparation; Gravimetric Analysis; Introduction and applications of Titrimetric Analysis; Introduction to Spectrochemical Methods; UV-VIS and IR Molecular Spectrometry; Atomic Spectroscopy; Introduction to 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: Describe the basic concepts of Physical chemistry; Use physical and chemical formula; Analyze the basic concepts of Thermodynamics laws, phase diagram, and properties of mixtures; Evaluate 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: Explain the importance of biology as a science and how it is used by scientists to further scientific knowledge also to outline the steps of the scientific method for each lab, generate predictions, maintain the distinction between predicted and observed results, and appropriately analyze and interpret the datas; Describe Biology of The Cells, how cells/specialized cells are structured and function also how cells harvest energy ; membranes are structured and function, basic cell energy & metabolism; Distinguish the Organization of The Plant/Animal form and function; Predict the Mechanism of evolution as modified by modern scientific knowledge; Recognize Recognize the structure, transmission and expression of genes in Genetics; Evaluate The Evolutionary History of Biological Diversity and Explain an Introduction to Ecology and the Biosphere.

Topics: Introduction to Basic Principles of Biology; The Nature of Molecules & the Properties of Water & The Chemical Building Blocks of Life; Biology of The Cells: Cell Structure & Membranes; Biology of The Cells: Energy & Metabolism & How Cells Harvest Energy; Biology of The Cells: Photosynthesis & Cell Communication; Plant Form and Function; Animal Form and Function; Genetic and Molecular Biology: Sexual Reproduction and Meiosis; Patterns of Inheritance; Chromosomes, Mapping, and the Meiosis–Inheritance Connection; Genetic and Molecular Biology: DNA: The Genetic Material; Biotechnology; Evolution; The Diversity of Life: The Tree of Life; Viruses; Prokaryotes; Protists; The Diversity of Life: Green Plants; Fungi; Ecology and Behavior.

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; Analyze the overall cell structure of prokaryotes and eukaryotes, Fungi, Algae, Protozoa, bacteriophages, and virus; Analyze the major environmental factors to which microbes must adapt for survival and Microbial aspects in biotechnology.

Topics: Scope & Historical Developments in Microbiology; Microscopy and Measurement of Microorganisms (1); Microscopy and Measurement of Microorganisms (2); Prokaryotic cells; Eukaryotic cells; Microbial growth & Reproduction (1); Microbial growth & Reproduction (2); Microbial metabolism (1); Microbial metabolism (2); Morphology of bacteria; Fungi; Algae, Protozoa, 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; Faraday's law of induction; and its application; Solve capacitance, current and circuits, alternating current, mirrors and lenses, and its application.

Topics: Electric Charge; Electric Fields; Gauss's Law; Electric Potential; Capacitance; Current and Circuits; Magnetic Fields; Faraday's Law of Induction; Alternating Current; Mirrors; Lenses.

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: understand the basic principles of natural science in primary school curriculum, implement the best practices in curriculum and pedagogy of natural science, apply the theories of natural science into practice.

Topics: Science and Natural Science, Natural Science in Primary School Curriculum (National, International (IB & Cambridge)), The Paradigm of Natural Science in Learning Process, How to Teach Natural Science for Grade 1-3, How to Teach Natural Science for Grade 4-6, Natural Science as Soft Skills for Primary School Students.

SCIE6045 – PHYSICS (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate the scientific method in a laboratory experience; Use vectors to describe physical observations; Identify basic concepts, terminology and theories of kinematics; force, energy, work; and others for Scientist and Engineers; Select natural science concepts and theories of mechanics, Temperature, Thermodynamics, Fluids and others to contemporary issues.

Topics: Introduction and Measurement and Vectors; Kinematics; Mechanics; Kinetic Energy & Work; Potential Energy & Conservation of Energy; Rolling, Torque, & Angular Momentum; Electricity I; Electricity II; Oscillations; Waves I & II; Temperature, Heat, & The First Law of Thermodynamics; Fluids; Equilibrium and Elasticity.

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; Interpret what the literary critics do in each theory; Propose examples of literary work relevant to each theory; Integrate all relevant literary theories into the analysis of a particular literary or creative cultural work in the form of a good research paper.

Topics: Postmodernism; Liberal Humanism or Formalism; Structuralism; Post Structuralism and Deconstruction; Psychoanalytic Criticism; Feminist Criticism; Lesbian/Gay Criticism; Marxist Criticism; New Historicism; Cultural Materialism; Postcolonial Criticism; Stylistics; Narratology; Ecocriticism; Reader Response Theory.

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 Define PPKn concept is comprehensively in Primary Education; Analyze Analyze PPKn curriculum in Primary Education; Generate Generate creative technique for teach PPKn in Primary Education; Apply 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.

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.

SOCS6017 – SOCIAL SCIENCE FOR PRIMARY II (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of social science in primary school curriculum, implement the best practices in curriculum and pedagogy of social science, apply the theories of social science into practice.

Topics: Science and Social Science, Social Science in Primary School Curriculum (National, International (IB & Cambridge), The Paradigm of Social Science in Learning Process, How to Teach Social Science for Grade 1-3, How to Teach Social Science for Grade 4-6, Social Science as Soft Skills for Primary School Students.

SOCS6020 - IMAGINING ME: INTERPERSONAL COMMUNICATION IN THE DIGITAL WORLD (4 Credits)

Learning Outcomes: On successful completion of this Couse, 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 Couse, 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.

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 Methodolgy; 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: Create of experiment design, Analyze data using the statistics, Interpret the result of data analysis.

Topics: Introduction, Simple Comparative Experiments, Experiments with A Single Factor: The Analysis of Variance, Randomized Blocks, Latin Squares and Related Designs, Factorial Designs, The 2k Factorial Design, Blocking and Confounding in The 2k Factorial Design, Two Level Fractional Factorial Designs, Three Level and Mixed Level Factorial and 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/FINAL PROJECT (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 phenomen; 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 : Association Analysis; Building Models : Decision Trees; 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 wll be able to: Select the proper numerical methods for statistical analysis; Compute operational of matrices and eigenvalue; Solve the equation system, numerical interpolation, differentiation, integration, and optimization.

Topics: Introduction to Numerical Methods; Matrices and Linear Equation; Regression Computations; Eigen problems; Interpolation and Smoothing; Numerical Differentiation; Introduction to Optimization; Maximum Likelihood; Numerical Integration and Monte Carlo Methods.

STAT6050 – SURVIVAL ANALYSIS (2 Credits)

Learning Outcomes: On successful completion of this course students wll 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 wll 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 Statisitics; 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: Data and Statistics; Descriptive Statistics: Tabular and Graphical Presentations; Descriptive Statistics: Numerical Measures; Interval Estimation; Hypothesis Tests; Tests of Goodness of Fit and Independence.

STAT8068 - BUSINESS STATISTICS II (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the concept of statistic; Apply statistical concept properly; Solve economic and business problems.

Topics: Basic Multiple Regression Analysis; Analysis of Variance; Review for Mid Exam and Quiz; Chi Square Analysis; Analyzing Data using Nonparametric; Review for Final Exam and Quiz.

STAT6080 – **STATISTICS IN COMMUNICATION CONTEXT (4 Credits)**

Learning Outcomes: On successful completion of this course, students will be able to: Calculate mean, median, percentiles, range, variance, coefficient of variations, cumulative distribution; Summarise quantitative data using dot plot, histogram, steam and leaf or box plot; Apply Binomial, Hypergeometric, 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; 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; 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.

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 mean; 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 wll 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: Explain the concepts in marketing research; Construct and perform reports and presentation; Analyze data in marketing research using R.

Topics: Nature of Marketing Research; Customer Behaviour Research; Branding Research; Segmentation Research; Product Research; Advertising Research; Distribution Research; Customer Satisfaction Research; Evaluation, reports and presentation.

STAT6106 - STATISTICAL PROCESS CONTROL (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand quality system problem; Interpret quality data problem to statistical quality terminology; Analyze suitable statistical tools for the problem; Use statistical quality methods.

Topics: Introduction : The Meaning of Quality**;** The DMAIC Problem Solving Process**;** Important Discrete Distribution**;** Important Continuous Distribution**;** Methods and Philosophy of Statistical Process Control**;** Control Charts for Variables**;** Control Charts for Attributes**;** Process Capability Analysis**;** Gauge and Measurement System Capability Studies**;** Cumulative Sum Control Charts**;** Statistical Process Control for short Production Runs**;** Lot by Lot Acceptance Sampling.2

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.

SUBJECT AREA: TAXN

TAXN6006 – TAXATION ACCOUNTING (2 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 equites 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.

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; Analyze which are VAT/other indirect tax subject and object, and which are not; Calculate how much VAT must be paid by taxable tax-payer; 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; Bea Meterai.

TAXN6009 – TAXATION LABORATORY (2 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.

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.

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.

TAXN7015 – ADVANCED TAXATION (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; Prepare corporate annual fiscal reconciliation and tax return.

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).

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

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).

TAXN6020 - TAXATION MANAGEMENT AND STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Leasing, Built Operate and Transfer - BOT, Non-Profit and Foundation Taxation, Taxation of Merger, Acquisition, Consolidation, Expansion and Liquidation of Business; Explain Taxation of Banking Insurance, Venture Capital, Mining Company, Taxation on Currency Transactions, SWAP, Forward Sales, Cross Currency Interest Rate Swap and Tax Incentives; Explain Special Relationship, Transfer Pricing, Tax Avoidance, Advanced Pricing Agreement and Mutual Agreement Procedures; Explain Concept of Tax Planning, Concept and Method of Transfer Pricing; Prepare Fiscal Reconciliation for Tax Planning, Deferred Tax Asset and Deferred Tax Liability; Identify Strategies could be used both in Domestic and International Tax Planning.

Topics: Leasing Taxation; Built Operate and Transfer - BOT Taxation; Non Profit and Foundation Taxation; Taxation of Merger, Acquisition, Consolidation, Expansion and Liquidation of Business; Banking Industry Taxation & Insurance Industry Taxation; Venture Capital Taxation & Mining Company Taxation; Taxation on Currency Transactions, SWAP, Forward Sales, Cross Currency Interest Rate Swap Taxation; Tax Incentives; Special Relationship, Transfer Pricing, Tax Avoidance, Advanced Pricing Agreement and Mutual Agreement Procedures; Overview of Tax Planning, Depreciation and Revaluation; Leasing Tax Planning and Transfer Pricing; Fiscal Financial Statement; Deferred Tax Asset and Deferred Tax Liability; Tax Audit and Tax Investigation; Domestic Tax Planning; International Tax Planning.

TAXN6021 - 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; Calculate 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)

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 forcasting - 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.

TRSM6134 - INTRODUCTION TO INDONESIAN THEMATIC TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Comprehend the knowledge of thematic tourism as a principles, Thematic Indonesia Tourism, the basic principles and types of Indonesia thematic tourism as an attraction , the ability to identify and study the problems commonly encountered in Indonesia Tourism especially for Indonesia Thematic Tourism.

Topics: Basic Concepts of Thematic Tourism, Thematic Tourism Destinations and attraction in Indonesia ; System of Tourism Destination and thematic tourism attraction developemnt in Indonesia; Indoensia Thematic Tourism Basic Concepts ;Indonesia Current Issues for Thematic Tourism.

TRSM6135 - INTERNATIONAL TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define A tourist is as a temporary visitor staying at least 24 hours in a region for the purpose of leisure (holiday, sport, study, or recreation), business, family (visiting friends and relatives), or meetings and conferences; Recognize Hosts are defined either as (a) local residents, (b) people of the visited country, or (c) those employed in the tourism industry who provide a service to tourists; Relate How national cultures of tourists and hosts influence their social behavior and why tourists and hosts behave the way they do; Analyze The major value orientations of their customers, and be aware of and sensitive to cultural differences among international tourist markets and local hosts

Topics: Globalization, Tourism and Culture; Cultural Diversity; Intercultural Theories (GSLC); Cultural Practices and Tourism Impacts on Culture; Culture; Cultural Variability; Cultural Influences on Intercultural Communication; Cultural Influences on Social Interaction; Cultural Influences on Rules of Social Interaction (GLSC); Cultural Influences on Services; Cultural Influences on Ethics; Human Behavior: Its Nature and Determinants (GSLC); Cultural Influences on Tourist Buying Behavior.

TRSM6136 - HOTEL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define Hotel's department and staffs' job; Describe Hotel departments' function and staffs' job; Apply Hotel's job specification; Differentiate Each hotel department job specification.

Topics: The hospitality industry and you; Forces affecting growth and change in the hospitality industry; The restaurant business; Restaurants Operations; Restaurant industry organization: chain, independent, or franchise?; Competitive forces in food service; On-site food service; Issues facing food service; Tourism: Front and Centre; Destinations: Tourism Generators; Forces shaping the hotel business; Competition in the lodging business; Lodging: Meeting guest needs; Hotel and lodging operations; The role of service in the hospitality industry; Rooms; Organizing in hospitality management; Staffing: human resources management in hospitality management; Control in hospitality management; Leadership and directing in hospitality management; Management: A new way of thinking; Planning in hospitality management; Housekeeping, Engineering, and Security; Food and beverage division; Marketing and associated activities; Financial control and information management.

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 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.

TRSM6138 - TRANSPORTATION AND TRAVEL INDUSTRY MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify mass and adventure tourism; Describe guiding tour task and SOP; Apply designing profitable tours and tour program; Analyze pricing and processing tours.

Topics: Tourism in the 21st Century; Typical tourist concerns; Outdoor and adventure tourism; Introduction to customer relations; How to guide successful tours; Tour group arrival; Conducting motor coach and walking tour; Starting your tour guide Business; Business research; Field Trip / Designing profitable tours; Sample tour program; Creating your promotional brochure; Pricing and processing tours; Marketing your tours.

TRSM6139 – E-BUSINESS AND DIGITAL MEDIA FOR TOURISM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify ways to promote tourism through internet marketing; Describe tips and tools to promote tourism through internet marketing; Apply techniques to get visitors to site and destination; Analyze internet marketing techniques to maximize visitors to site and destination; Propose the potential showcase business project.

Topics: Planning your web site; Designing your site to be search engine friendly; Web site elements that keep them coming back; Permission marketing; Spreading the world with viral marketing; Great content; Landing pages; Search engine and directory submissions; Customer Insight and Market Analysis; Business EnvironmentL; Utilizing signature files to increase web site traffic; Auto responders; Consumer generated media; Establishing your private mailing list; Effective promotion through direct mailing list; Developing a dynamite link strategy; Fild Trip/Product Service Development; Fild Trip/Prototyping Product; Online advertising; Maximizing media relations; Design Process; Evaluate Product/ Services Prototype; Blogs & wikis; Podcasting & video casting; Mobile marketing; Interactive mapping.

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 Meking 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: Mastering basic knowledge of event management, and the ability to identify and analyze problems, and to create an event as well.

Topics: Basic concept of integrated marketing communications, Understanding event management from the perspective of integrated communication, Process of event management projects, The strategic planning of the event design, The strategic planning of preparing the proposal, The body of event design proposals, Event's publication, budgeting, Time Frame and deadlines, Staffing and vendors, Technology Equipment, Safety, security, logistics and staging, Contractual negotiation, Event and program branding.

TRSM6143 - ECOTOURISM AND SUSTAINABLE DEVELOPMENT (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Mastering basic knowledge of sustainable ecotourism development, as well as the ability to identify and analyze the common problems in related field.

Topics: Basic concepts and principles of Ecotourism; Prinsip dan Basic concepts and principles of sustainable tourism development; Relationship between ecotourism and sustainable tourism development; International and national issues on ecotourism and sustainable tourism development.

TRSM6144 - FACILITIES DESIGN FOR TOURISM DESTINATION (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Mastering basic knowledge of the design of tourism facilities , as well as the ability to identify and study the problems commonly encountered in a related field.

Topics: Facility Design Principles and Concepts History; Principles and Design Concepts Tourism Facilities ; Tourism Facility Needs Theory; Tourism Facility Design Applications.

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 skil and knowledge related tourism in the working place; able to supervise and give the solution to the basic problem wtihin tourism industry.

Topics: Professional attitude skill, tourism hardskill and soft skill; Tourism planning and design; Tourim 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 workpalce 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 .

TRSM8152 - TOURISM PHILOSOPHY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate a critical understanding the nature concept of tourism philosophy; Analyze tourism philosophy regarding to ethical theories and principles of tourism; Evaluate moral reasoning and consequences of ethical decision-making in tourism development, trend and issues in Indonesia; Apply the principles of sustainable and responsible tourism in the context of tourism development.

Topics: Philosophical Issues in Tourism; Who is a Tourist? Conceptual and Theoretical Developments; What is Tourism in philosophical approach, Epistemology; Ontology and Tourism, Post-disciplinary Tourism; Ethics and Tourism; Good Actions in Tourism; Against 'Ethical Tourism'; Development and its Discontents: Ego-tripping Without Ethics or Idea(l)s?; Transmodernity: Remaking Our (Tourism) World?; Bali Consumerism.

TRSM8153 - STRATEGIC ISSUES AND FUNDAMENTAL OF TOURISM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Comprehend the strategic and fundamental issues in tourism destination; Able to identify: analyze , and make recommendations on issues which are common in the tourism destination issues and context.

Topics: Basic Concepts and Theories of Tourism Destinations; Base Case Studies in Tourism Destinations.

TRSM8154 - STRATEGIC ENTREPRENEURSHIP AND TOURISM INNOVATION (4 Credits)

Learning Outcomes: Comprehend strategies in entrepreneurship to create innovation in the field of tourism based on problems and case study analysis.

Topics: Basic Concepts and Theories of Entrepreneurship; Entrepreneurship Strategy; The concept of Innovation and the Relationship with tourism; Applications Entrepreneurship and Innovation in the tourism industry; Current Issues in the World Entrepreneur for tourism sectors ; Examples of Innovation in the Tourism industry.

TRSM8155 - STRATEGIC MANAGEMENT FOR TOURISM (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Comprehend the basic knowledge of strategic management in the development and management of tourism destinations; Identify and analyze the problems in tourism business; Strategic concept for tourism development for sustainable issues.

Topics: Basic Concepts and Theory of Strategic Management; Steps in Strategic Management; Strategic Management in Tourism Destinations; Tourism Strategic Management Case Study, sustainable and current study for strategic tourism development, sWOT analysis for tourism sustainability.

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**.

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.

BI program(s): Master Track in **International Accounting & Finance** and **Business Information System**.

5. 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**.

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.

BI program(s): Double degree in **Business Information Systems**.

7. 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**.

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.

BI program(s): Double degree in **International Accounting and Finance**.

9. 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**.

10. 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**.

11. 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 (BUI) has used Constructive Alignment to design teaching and learning at the level of curriculum and course. BUI implements modular content with problem-based learning (PBL) to speed up the process of student-centered learning. 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. internships, 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-sessional English course (Pre-University English) of 150 hours. BINUS UNIVERSITY INTERNATIONAL organizes these pre-sessional 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 a Pre-Academic English 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 higher education programs in order to explain their academic weight. The semester is a unit of time that describes the duration of courses in an academic year. The SCU system offers some degree of flexibility for students to design their pace of study. Some benefits of SCU system are:

1. Give credibility to students who are clever and diligent, and who can complete their studies within a shorter than normal minimum duration.
2. Give an opportunity to students to choose courses according to the interest, talent and capacity of the individual.
3. Create possibilities within the education system for plural input and output.
4. Facilitate the adaptation of curricula to the rapid development of knowledge and technology.
5. Enable the evaluation system of the higher learning of the students to be conducted optimally.

Credit Characteristics

In the credit system, each course has a weight, that is to say, 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 the semester system, each course is completed in one semester that runs for 13 weeks. In addition to quantitative grading, the semester credit system allows that the completion of a study course means it can be valued in a quantitative manner, by giving a weight to the relevant course. The weight of each course is measured in credit units.

One credit is made up of a weekly commitment of:

1. An academic hour of scheduled face-to-face learning in the classroom with academic staff. This is defined as 50 minutes in BI.
2. An academic hour of structured academic activity, which has been scheduled and planned by academic staff (lecturers) e.g.: review session or seminar.
3. An academic hour of independent academic activity such as reading, summarizing, working on papers etc.

Students can graduate if they have achieved, among others, a minimum of 146 SCU.

Collaborative Learning with Innopeda Curriculum

BINUS UNIVERSITY INTERNATIONAL is 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 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. Project Hatchery, Design Driven Entrepreneurship, Business Model Innovation, and Sustainable Startup Creation are courses designed specifically with design thinking, customer development and lean startup methodology in a multi-discipline environment to stimulate and cultivate entrepreneurial skills.

To support this collaborative and entrepreneurial learning environment, the Center for Innovation and Entrepreneurship (CIDER)* was established 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 each course consists of a mid-semester exam and a final exam. Both mid-semester exam and final exam are conducted once each semester.

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 BINA NUSANTARA UNIVERSITY 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 Disctinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Disctinction
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.

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 a minimum grade of B or C, and non-core courses with a minimum grade of D. There are exceptions.

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 Pre-University English, Pre-Academic English 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 and Entrepreneurship

The Center for Innovation and Entrepreneurship (CIDER) was established in 2013. It aims 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 UNIVERSITAS INTERNATIONAL.
In 2014, 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

In pursuing its vision, the International Accounting & Finance program provides:

1. Industry-Oriented Ethical Graduates with High Quality Competencies in Accounting and Relevant Knowledge;
2. High-Quality Learning Environment Through Innovative and Relevant Curriculum;
3. Innovative and Applied Research for Students and Faculty Members;
4. Industry-Relevant Academic Activities; and
5. International Exposure through Academic Activities

Program Objectives

The objectives of the program are:

1. To provide students with a solid foundation of national as well as international & relevant knowledge in accounting
2. To equip students with creative and innovative capabilities
3. To prepare students for professional practices by providing industry networking
4. To demonstrate effective personal, social, and ethical professional conduct
5. To equip students with entrepreneurial skills
6. To prepare students with effective communicating skills in English
7. To demonstrate good ICT skills in business contexts

Student Outcomes

1. Global mindset
2. Creativity and innovation
3. Real world knowledge application
4. Ethical, social, and professional conduct
5. Entrepreneurial skills
6. Effective communication
7. ICT skills

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/Assurors
2. Management accountants/Cost accountants
3. Management and Accounting consultants
4. Tax planners/Tax accountants

5. Financial or Risk analysts/Credit controllers

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 Akuntansi* from BINUS UNIVERSITY, Jakarta
- Dual Degrees: *Sarjana Akuntansi* from BINUS UNIVERSITY and a Bachelor of Commerce from partner universities or *Sarjana Akuntansi* from BINUS UNIVERSITY and a Bachelor of Arts for the double degree program in Accounting & International Business
- Master track: *Sarjana Akuntansi* from BINUS UNIVERSITY and a Master of Commerce from partner universities

Major and Streaming

Streaming	Degree				Partner
	Single	Title	Double	Title	
Accounting & Finance			√	S.Ak. & B.Com.	University of New South Wales, Australia Victoria University of Wellington, New Zealand
Accounting & International Business			√	S.Ak. & B.A.	Cologne Business School, Germany
Master Track			√	S.Ak. & M.Com, M.A.	Macquarie University, Australia
Minor in International Management Accounting	√	S.Ak.			

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 (New Zealand) agreed to have students studying in New Zealand from the 6th to 8th semesters (3 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

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 Design-Driven Entrepreneurship 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 UNIVERSITAS 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	
	CHAR6013	Character Building: *Pancasila*	2	
	ENTR6091	Project Hatchery	2	
	MGMT6011	Introduction to Management & Business	4	
	ECON6028	Microeconomics	3	
2	ECON6006	Macroeconomics	4	23
	ENGL6172	Academic English II	3	
	ACCT6243	Intermediate Accounting	6	
	CHAR6014	Character Building: *Kewarganegaraan*	2	
	MKTG6111	Marketing Management	2	
	ACCT6244	Managerial Accounting	6	
3	ECON6065	Economic Mathematics	4	23
	CHAR6015	Character Building: *Agama*	2	
	BUSS6092	Business Law & Taxation	6	
	ACCT6062	Financial Audit I	4	
	ENTR6094	Design-Driven Entrepreneurships	3	
	LANG6061	Indonesian	1	
	STAT6122	Statistics Fundamentals for Business Studies	3	
4	FINC6086	Corporate Finance	6	22
	ACCT6245	Advanced Accounting	6	
	FINC6107	Financial Audit II	6	
	MGMT6253	Corporate Sustainability	4	
5	FINC6111	Investment Analysis	6	22
	BUSS6093	Business Information Systems	6	
	MGMT6249	Project Management	2	
	ACCT6246	Accounting Theory	4	
	RSCH6068	Research Methodology in Accounting & Finance	4	
6	**Enrichment Program I**		16	16
7	**Enrichment Program II**		16	14
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		

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			16
BUSS6094	Industry Experience	8	
COMM6360	Advanced Business Communication	4	
BUSS6107	Business in Professional Context	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program			16
RSCH6063	Research Exposure	8	
RSCH6249	Quantitative Analysis in Accounting and Finance	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	
ACCT6170	Computerized Accounting Systems	4	
BUSS6106	Business in Professional Contexts	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
Enrichment Program			
GLOB6085	Elective Course for Study Abroad 1	4	14
GLOB6086	Elective Course for Study Abroad 2	4	
GLOB6117	Elective Course for Study Abroad 3	2	
MGMT6254	Strategic Management and Corporate Governance	4	

*) *The elective courses for study abroad will be transferred to BINUS UNIVERSITAS INTERNATIONAL's SCU systems based on the transferred credit policies. For Master track streaming, the Enrichment Program I is equivalent to any ELECTIVE SUBJECT(S) across BINUS UNIVERSITAS INTERNATIONAL's programs. For* ***International Management Accounting*** *(Single Degree) streaming, the Enrichment Program I serves as a mandatory study abroad course.*

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
International Business & Marketing Management – Victoria University of Wellington **(2-year DD program)**	
Option of majors:	
Commercial Law	64
Economics	64
Human Resource Management and Industrial Relations	64
Management	64
Marketing	64
Accounting	64
Finance	64
Actuarial Science	64
Course Name	**SCU**
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
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
Course Name	**SCU**
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

Single Degree in International Management Accounting

Single degree, double degrees and master track programs start from the 5th/6th/7thsemester. 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.

Pre-requisite Courses for International Accounting and Finance

Subject		SCU	Smt	Prerequisite		SCU	Smt
ACCT6243	Intermediate Accounting	6	2	ACCT6242	Principles of Accounting	6	1
ECON6006	Macroeconomics	4	2	ECON6028	Microeconomics	3	1
ACCT6062	Financial Auditing 1	4	3	ACCT6243	Intermediate Accounting	6	2
MGMT6253	Corporate Sustainability	4	4	ACCT6244	Managerial Accounting	6	2
ECON6065	Economic Mathematics	4	3	ECON6006	Macroeconomics	4	2
FINC6086	Corporate Finance	6	4	FINC6111	Investment Analysis	6	5
				ACCT6242	Principles of Accounting	6	1
ACCT6245	Advanced Accounting	6	4	BUSS6092	Business Law & Taxation	6	3
				ACCT6243	Intermediate Accounting	6	2
FINC6107	Financial Audit II	6	4	ACCT6062	Financial Auditing 1	4	3
FINC6111	Investment Analysis	6	5	FINC6086	Corporate Finance	6	4
BUSS6093	Business Information Systems	6	6	MGMT6011	Introduction to Management & Business	4	1
				ACCT6242	Principles of Accounting	6	1
MGMT6249	Project Management	2	5	FINC6086	Corporate Finance	6	4
ACCT6246	Accounting Theory	4	5	ACCT6245	Advanced Accounting	6	4
MGMT6254	Strategic Management & Corporate Governance	4	6	ACCT6244	Managerial Accounting	6	2
RSCH6068	Research Methodology in Accounting & Finance	4	5	STAT6122	Statistics Fundamentals for Business Studies	3	3
				FINC6086	Corporate Finance	6	4
				ACCT6245	Advanced Accounting	6	4
				ACCT6244	Managerial Accounting	6	2

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 enhance graduate capabilities in generating creative and innovative ideas and concepts for design solution

Student Outcomes

Upon successful completion of this 4-year program, students are expected to be able to :

1. Identify and explain fundamental principles/theories, techniques, and history of visual design
2. Apply design knowledge and build visual prototype as a problem-solving
3. Analyze and criticize aesthetic, technical and conceptual aspects and quality of visual design
4. Integrate visual elements into design applications
5. Apply effective it knowledge to support design production
6. Utilize appropriate it applications in the development of design project
7. Display effective visual language to solve design problem.
8. Display effective written and verbal communication skills with a range of audience
9. Apply professional, ethical and social responsibilities in design production
10. Apply basic leadership, entrepreneurship, and project management skills in design development
11. Apply current techniques, skills and tools in visual design in order to produce creative and innovative design solutions
12. Apply creative thinking in producing innovative design solution

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 Awards)			√	S.Sn. & BA (Hons).	Northumbria
Interactive Digital Media (Dual Awards)			√	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: Pancasila	2	
3	**Streaming: Graphic Design**			
	DSGN6391	Design Studies I	8	21
	CHAR6014	Character Building: Kewarganegaraan	2	
	DSGN7326	Illustration Design	3	
	DSGN6322	Typography II	4	
	DSGN7133	Photography II	3	
	LANG6061	Indonesian	1	
	Streaming: Interactive Digital Media			
	DSGN6394	Interactive Design Studies I	8	21
	CHAR6014	Character Building: Kewarganegaraan	2	
	DSGN7326	Illustration Design	3	
	DSGN6316	Screen Design Development I	4	
	DSGN7133	Photography II	3	
	LANG6061	Indonesian	1	
4	**Streaming: Graphic Design**			
	DSGN6392	Design Studies II	8	22
	CHAR6015	Character Building: Agama	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	8	21
	CHAR6015	Character Building: Agama	2	
	DSGN6230	Animation Studio I	3	
	DSGN6293	Audio Visual I	2	
	DSGN6190	Screen Design Development II	4	
	DSGN6287	Visual Communication Design Reviews	2	

Sem	Code	Course Name	SCU	Total
5	**Streaming: Graphic Design**			
	DSGN6397	2D Animation Study	4	16
	DSGN6393	Design Studies III	6	
	DSGN6398	Design History Dissertation Research	2	
	DSGN6294	Audio Visual II	4	
	Streaming: Interactive Digital Media			
	DSGN6292	Animation Studio II	4	19
	DSGN6396	Interactive Design Studies III	6	
	DSGN6398	Design History Dissertation Research	2	
	DSGN6399	Kinetic Typography	3	
	DSGN6294	Audio Visual II	4	
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
	DSGN6301	Experimental Design	2	
	ARTS6015	Aesthetic	2	
	DSGN6311	Internship	6	
7	**Enrichment Program I**		16	16
	DE1213	Global Design Perspectives*	0	
	DE1214	Advanced Creative Practice*	0	
8	**Enrichment Program II**		8	16
	DE1213	Global Design Perspectives*	0	
	DE1214	Advanced Creative Practice*	0	
	DSGN6302	Final Project and Report	8	
			TOTAL CREDIT 146 SCU	

**) Student applied in Dual Awards Program is mandatory to take this course (Conducted by Northumbria Lecture)*

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 : Department 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			8
RSCH6061	Design Idea Exploration II	4	
RSCH6062	Academic Design Research II	4	

**For Dual Awards Program*

The Table of Prerequisite for Graphic Design & New Media Program

Subject		SCU	Prerequisite		SCU
DSGN6100	Drawing II	3	DSGN6099	Drawing I	3
DSGN6391	Design Studies I	8	DSGN7324	Computer Graphic I	3
DSGN6391	Design Studies I	8	DSGN6390	Fundamental Principles of Design	8
DSGN6394	Interactive Design Studies I	8	DSGN6390	Fundamental Principles of Design	8
DSGN6322	Typography II	4	DSGN6104	Typography I	3
DSGN7133	Photography II	3	DSGN7132	Photography I	3
DSGN6316	Screen Design Development I	4	DSGN7324	Computer Graphic I	3
DSGN7326	Illustration Design	3	DSGN6100	Drawing II	3
DSGN6392	Design Studies II	8	DSGN6391	Design Studies I	8
DSGN6395	Interactive Design Studies II	8	DSGN6394	Interactive Design Studies I	8
DSGN6301	Experimental Design	4	DSGN6393	Design Studies III	6
DSGN6190	Screen Design Development II	4	DSGN6316	Screen Design Development I	4
DSGN6393	Design Studies III	6	DSGN6392	Design Studies II	8
DSGN6396	Interactive Design Studies III	6	DSGN6395	Interactive Design Studies II	8
DSGN6298	Digital Animation I	4	DSGN6391	Design Studies I	8
DSGN6294	Audio Visual II	4	DSGN6293	Audio Visual I	2
DSGN6292	Animation Studio II	4	DSGN6230	Animation Studio I	3
DSGN6311	Internship	6	DSGN6393	Design Studies III	6
			DSGN6396	Interactive Design Studies III	6
DSGN6302	Final Project & Report	6	DSGN6311	Internship	6

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. Identify the principals of consumer behavior, market research, and historical, cultural and contemporary issues in the fashion industry.
2. Understand theoretical design studies, and manipulation techniques in the creation of fashion products.
3. Demonstrate a range of production methods and technical skills through exploration and experimentation of fashion products with independent judgment of aesthetics, efficiency, and efficacy in the production process.
4. Create fashion products by utilizing a variety of materials, appropriate technology applications and resources.
5. Present fashion products for a wide range of audiences in relation to ethical and aesthetic aspects.
6. Understand the creative design concept relevant with market research, consumers and environment aspects.
7. Evaluate the quality of the products in relation to consumer, ergonomic and environmental perspectives.

8. Apply creative and innovative design solutions through design research.

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 wherein 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	

Sem	Code	Course Name	SCU	Total
	ENGL6172	Academic English II	3	
	CHAR6013	Character Building: *Pancasila*	2	
3	**Streaming: Fashion Design**			19
	FASH6082	Production I	6	
	FASH6011	Fashion Design I	6	
	FASH6066	Fashion Trend Forecasting I	3	
	LANG6061	Indonesian	1	
	ENTR6094	Design Driven Entrepreneurship	3	
	Streaming: Fashion Management			
	FASH6066	Fashion Trend Forecasting I	3	20
	FASH6067	Fashion Marketing I	6	
	FASH6068	Fashion Graphics and Promotion	4	
	LANG6061	Indonesian	1	
	ENTR6094	Design Driven Entrepreneurship	3	
	FASH6016	Fashion Textile I	3	
4	**Streaming: Fashion Design**			
	FASH6069	Fashion Trend Forecasting II	3	21
	FASH6017	Fashion Design II	6	
	FASH6070	Fashion Business for Fashion Design	4	
	FASH6071	Production II	6	
	CHAR6014	Character Building: *Kewarganegaraan*	2	
	Streaming: Fashion Management			
	FASH6069	Fashion Trend Forecasting II	3	20
	FASH6072	Design Realization and Promotion I	6	
	FASH6073	Fashion Marketing II	6	
	CHAR6014	Character Building: *Kewarganegaraan*	2	
	FASH6076	Fashion Retail Management	3	
5	**Streaming: Fashion Design**			18
	FASH6028	Fashion Design III	6	
	FASH6074	Production III	6	
	CHAR6015	Character Building: *Agama*	2	
	Streaming: Fashion Management			
	FASH6075	Entrepreneurship for Fashion Management	8	
	FASH6027	Design Realization and Promotion II	4	
	CHAR6015	Character Building: *Agama*	2	
	Elective Courses**			
	FASH6080	Sustainable Fashion	4	
	FASH6081	Fashion Operation Management	4	
6	**Enrichment Program I**		16	16
7	**Enrichment Program II**		16	16
	DE1213	Global Design Perspectives*	0	
8	FASH6032	Project Report Writing	4	16
	FASH6034	Fashion Portfolio	4	
	FASH6037	Final Project	8	
	DE1214	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				
3				v				v				

Notes:
I: Internship
RS: Research
ENTR: Entrepreneurship
CD: Community Development
SA: Study Abroad
Other: Departmental specific needs

Enrichment Internship Track

Code	Course Name	SCU	Total
FASH6077	Industry Experiences	8	16
FASH6078	Industry Experiences	4	
FASH6079	Reflective Practices	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	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6020	Community Development	8	16
FASH6091	Sustainable Planning	4	
FASH6092	Ethical Awareness	4	

Table of Pre-requisites

Fashion Design

Subject		SCU	Smt	Pre-requisites		SCU	Smt
FASH6017	Fashion Design II	6	4	FASH6011	Fashion Design I	6	3
FASH6028	Fashion Design III	6	5	FASH6017	Fashion Design II	6	4
	Enrichment Program II	16	7	FASH6028	Fashion Design III	6	5
FASH6034	Fashion Portfolio	4	8		Enrichment Program II	16	7
FASH6037	Final Project	8	8		Enrichment Program II	16	7

Fashion Management

Subject		SCU	Smt	Prerequisite		SCU	Smt
FASH6073	Fashion Marketing II	6	4	FASH6067	Fashion Marketing I	6	3
FASH6075	Entrepreneurship for Fashion Management	8	5	FASH6073	Fashion Marketing II	6	4
	Enrichment Program II	16	7	FASH6075	Entrepreneurship for Fashion Management	8	5
FASH6034	Fashion Portfolio	4	8		Enrichment Program II	16	7
FASH6037	Final Project	8	8		Enrichment Program II	16	7

3.5.4 Communication

Introduction

The Bachelor program in Communication at BINUS UNIVERSITY INTERNATIONAL offers three streams: 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.

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 background, as well as visit a variety of businesses and creative work spaces, in order to orient themselves in their industry and their prospective job choices, Students' works will 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.

Vision

BINUS UNIVERSITAS 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

The Communication Program endeavors to educate creative, innovative, and passionate students from diverse backgrounds, by providing international quality education and industry connections early on during their studies, in order to generate highly skilled communication specialists for a variety of competitive positions in the industry.

Program Objectives

The objectives of this program are:

1. To provide students with social and cultural knowledge, critical thinking, and technical skills to produce effective messages to the audience.
2. To prepare students to keep updated with and utilize Information and Communication Technologies (ITC) and other alternative new media technologies.
3. To prepare students to have effective communication skills in both written and verbal forms in the media industry on a variety of different platforms, such as interpersonally, through social media or traditional media (such as radio and television).
4. To complement students with leadership, entrepreneurship, and management skills, as well as the ethics required to be a socially aware and responsible professionals in the global media industry.
5. To prepare students with knowledge and skills to be innovative, creative, and passionate for continuous improvements in the media industry.

Student Outcomes

Upon completion of the 4-year program, students should be able to:

1. Explain, analyze, and integrate different communication forms and elements in the media production process.
2. Apply and organize media production as a journalist, public relations officer, and entertainment organizer or agent.
3. Classify and analyze professional communication methods and apply performance strategies based on theories in communication.
4. Explain and analyze the social, cultural, and behavioral theories related to communication.
5. Use current tools, techniques, and technology necessary for media and communication related activities.
6. Communicate effectively in conducting all aspects of communication and media related activities in written and verbal forms.
7. Demonstrate entrepreneurship and management knowledge in the media and communication industry.
8. Perform effective leadership and teamwork skills as a journalist, public relations officer, and entertainment organizer or agent.
9. Apply principles of ethics in media production.
10. Apply creative thinking in journalism, public relations, and entertainment for continuous improvements in the media industry.
11. Solve problems and formulate solutions related to journalism, public relations, and the entertainment 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 Communication Program provides an internship program for each student wherein the student may conduct real projects as practical studies within industrial contexts. The program develops the students' ability to be involved in professional practices, and possess ethical and organizational responsibilities. Furthermore, the industrial internship program provides students with real experiences in the workplace and teaches them to cope with the 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.I. Kom – Bachelor of Communication)
- Bachelor Degree from a partner university

Major and Stream

Study Program	Degree				Partner
	Single	Title	Double	Title	
Journalism	√	S.I.Kom	√	S.I.Kom. & BA. (HONS)	Northumbria
Public Relations	√	S.I.Kom	√	S.I.Kom. & BA. (HONS)	Northumbria
Entertainment Communications	√	S.I.Kom.	√	S.I.Kom. & 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. Students may also be able to collaborate with Binus TV, based in the Anggrek Campus, where they can receive extra training on editing and broadcasting, as well as create English speaking programs. With a good quality library, the students will be able to access books and films for references and research activities.

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. A written thesis report must be submitted in year 4 (semester 8).

Study Completion Requirements

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).

Sem	Code	Course Name	SCU	Total
1	ENGL6171	Academic English I	3	20
	ENTR6091	Project Hatchery	2	
	COMM6194	Introduction to Communication	3	
	COMM6240	Photography & Basic Videography	4	
	COMM6241	Public Speaking and Performing	6	
	COMM6164	Creative Writing	2	
2	ENGL6172	Academic English II	3	23
	CHAR6013	Character Building: Pancasila	2	
	STAT8067	Business Statistics I	2	
	COMM6259	Introduction to Sociology & Anthropology	4	
	COMM6243	Communication Theories	6	
	COMM6009	Introduction to Political Science	2	
	COMM6244	Intercultural Communication	2	
	COMM6167	Interpersonal Communication	2	
3	CHAR6014	Character Building: Kewarganegaraan	2	21
	ENTR6094	Design Driven Entrepreneurship	3	
	PSYC6151	Introduction to Psychology	2	
	COMM6245	Introduction to PR & Creative Advertising	6	
	COMM6246	Introduction to Journalism & Interview Techniques	6	
	SOCS6012	Social Change & Globalization	2	
4	CHAR6015	Character Building: Agama	2	22
	COMM6102	Social Media Content Strategies & Analytics	4	
	LAWS6126	Media Ethics & Law	6	
	MKTG6185	Marketing Management	6	
	RSCH6018	Quantitative & Qualitative Research Methods	4	
5	RSCH6067	Mass Communication Research Methods	2	22
	ENTR6095	Media Business & Entrepreneurship	4	
	LANG6087	Indonesian Language	2	
	Stream: Journalism			
	COMM6247	Broadcast Journalism and Reporting	6	
	COMM6248	New Media & Newsroom Management	6	

Sem	Code	Course Name	SCU	Total
	COMM6249	Investigative Journalism	2	
	Stream: Public Relations			
	COMM6250	Creative Agency Industry	2	
	COMM6251	Crisis Communication and Media Relations	6	
	COMM6252	Public Relations Publication	6	
	Stream: Entertainment Communication			
	COMM6253	Entertainment Networking & Negotiation	8	
	COMM6254	Design & Promotion	6	
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 Culture	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
COMM6260	Cultural Studies	4	
COMM6242	Digital Publication	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	
GLOB6087	Elective Course for Study Abroad 3	4	
GLOB6088	Elective Course for Study Abroad 4	4	

**) Elective courses for study abroad will be transferred to BINUS UNIVERSITAS INTERNATIONAL's SCUs based on the transferred credit policies.*

The Table of Prerequisite Courses for Communication

Subject		SCU	Smt	Prerequisite		SCU	Smt
COMM6243	Communication Theories	6	2	COMM6194	Introduction to Communication	3	1
COMM6244	Intercultural Communication	2	2	COMM6194	Introduction to Communication	3	1
RSCH6067	Mass Communication Research Methods	2	6	RSCH6018	Qualitative and Quantitative Research methods	4	4
COMM6247	Broadcast Journalism and Reporting	6	6	COMM6246	Introduction to Journalism & Interview Techniques	6	3
COMM6258	New Media and Newsroom Management	6	6	COMM6246	Introduction to Journalism & Interview Techniques	6	3
LANG6087	Indonesian Language	2	6	COMM6246	Introduction to Journalism & Interview Techniques	6	3
COMM6249	Investigative Journalism	2	5	COMM6246	Introduction to Journalism & Interview Techniques	6	3
COMM6251	Crisis Communication and Media Relations	6	6	COMM6245	Introduction to PR & Creative Advertising	6	3
COMM6252	Public Relations Publication	6	6	COMM6245	Introduction to PR & Creative Advertising	6	3

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
- 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, Market Research, and Design-driven Entrepreneurship), 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. 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. Produce reputable professionals with a solid foundation of mathematics, algorithms, and principles related to computing that will be needed in problem-solving practice.
3. Equip graduates with communication skills and utilize the latest trends in technology to contribute to the global workplace.
4. 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. 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. Equip graduates with six key skills (self-management, planning and organizing, teamwork, problem-solving, decision-making, initiative, and enterprise) and foreign language ability as well as use information technology to be useful in the workplace and society.

Student Outcomes

After successful completion of the four-year program, students are expected to be able to:

1. Develop diverse software using appropriate software development methodologies.
2. Apply the principles of design and development of software architecture in the construction of software solutions.
3. Apply the latest technology according to software development requirements.
4. Administer the conceptual knowledge and mathematical principles related to computing to perform any related computing formulations.
5. Administer the conceptual knowledge and algorithm principles related to computing to solve problems.
6. Communicate, work in a team, and utilize the latest trends in technology to contribute in the global workplace.
7. Design and implement various computer networking environments using different security techniques and routing theories to produce secure and robust networks.
8. Design and develop game applications by combining technology with creative art and design concepts to produce good game applications that are able to run on multi-platform environments.
9. Apply the six key skills (self-management, planning and organizing, teamwork, problem-solving, decision-making, initiative and enterprise) and foreign language ability to use information technology 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
- Business application developer
- IT project planner

Since computer science graduates are considered as engineers, they are also in a position 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
- Dual Degree with Bachelor of Information Technology from RMIT University at Melbourne, Australia
- Dual Degree with Bachelor of Computer Science from the University of Wollongong at New South Wales, Australia
- Dual Degree with Bachelor of Science (Hons.) from the University of Nottingham, United Kingdom
- Dual Degree with Bachelor in Computer and Information Systems from Auckland University of Technology

Major and Stream

Stream	Degree				Partner
	Single	Title	Double	Title	
General CS	√	S.Kom			
Pervasive Games Technology	√	S.Kom			
Computer Science			√	S.Kom. & B.Sc. (Hons)	Nottingham
Computer Science with Artificial Intelligence			√	S.Kom. & B.Sc. (Hons)	Nottingham
Software Engineering			√	S.Kom. & B.Sc. (Hons)	Nottingham
Application Programming			√	S.Kom. & B.Info.Tech	RMIT
Network Programming			√	S.Kom. & B.Info.Tech	RMIT

Stream	Degree				Partner
	Single	Title	Double	Title	
System Administration			√	S.Kom. & B.Info.Tech	RMIT
Web Systems			√	S.Kom. & B.Info.Tech	RMIT
Games Development			√	S.Kom. & B.Comp.Sc.	Wollongong
Digital Security			√	S.Kom. & B.Comp.Sc.	Wollongong
Enterprise Systems			√	S.Kom. & B.Comp.Sc.	Wollongong
Software Engineering			√	S.Kom. & B.Comp.Sc.	Wollongong
IT Service Science			√	S.Kom. & BCIS	AUT
Software Development			√	S.Kom. & BCIS	AUT
Computer Science			√	S.Kom. & BCIS	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)
BCIS (Bachelor in Computer and Information Systems)

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 Systems

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 BCIS degrees. Students who would like to pursue careers in the challenging area of Information Technology are ideal candidates for this program.

General Computer Science Stream (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 Stream (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

- 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 becoming engaged in a series of entrepreneurial courses (Project Hatchery, Market Research, and Business Hatchery), 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 creating a startup company, internship, research, or community development 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	ENGL6171	Academic English I	3	20
	CHAR6013	Character Building: *Pancasila*	2	
	ENTR6091	Project Hatchery	2	
	COMP6335	Introduction to Programming	8	
	COMP6336	Discrete Structures	5	
2	ENGL6172	Academic English II	3	19
	COMP6337	Programming Languages	6	
	COMP6338	Computational Mathematics	4	
	COMP6339	Database Systems	6	
3	CHAR6014	Character Building: *Kewarganegaraan*	2	23
	ENTR6094	Design Driven Entrepreneurship	3	
	COMP6340	Analysis of Algorithms	7	
	COMP6341	Multimedia and Human Computer Interaction	4	
	CPEN6200	Computer Networks and Security	6	
	LANG6061	Indonesian Language	1	
4	CHAR6015	Character Building: *Agama*	2	23
	COMP6342	Computer Architecture and Operating Systems	6	
	COMP6343	Web Application Development and Security	8	
	COMP6344	Computer Graphics	4	
	Stream: Computer Science General			
	COMP6210	Ethical Hacking and Penetration Testing	3	
	Stream: Pervasive Games Technology			
	GAME6048	Games Design and Programming	3	
5	COMP6345	Intelligent Systems	4	23
	COMP6346	Pervasive Software Engineering	8	
	COMP6347	Cloud and Distributed Systems	6	
	ENTR6045	Technopreneurship	2	
	Stream: Computer Science General			
	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			
13					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*

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	

*) *Elective courses for study abroad will be transferred to BINUS UNIVERSITAS INTERNATIONAL's SCUs based on the transferred credit policies.*

Table of Prerequisites for Computer Science

Subject		SCU	Smt	Prerequisite		SCU	Smt
COMP6340	Analysis of Algorithms	7	3	COMP6335	Introduction to Programming	8	1
COMP6343	Web Application Development and Security	8	4	COMP6337	Programming Languages	6	2
COMP6344	Computer Graphics	4	4	COMP6335	Introduction to Programming	8	1
COMP6210	Ethical Hacking and Penetration Testing	3	4	CPEN6200	Computer Networks and Security	6	3
COMP6348	Network Forensics	3	5	CPEN6200	Computer Networks and Security	6	3
GAME6048	Games Design Programming	3	4	COMP6335	Introduction to Programming	8	1
COMP6345	Intelligent Systems	4	5	COMP6340	Analysis of Algorithms	7	3
COMP6346	Pervasive Software Engineering	8	5	COMP6337	Programming Languages	6	2
COMP6347	Cloud and Distributed Systems	6	5	CPEN6200	Computer Networks and Security	6	3
GAME6046	Advanced Games Design Programming	3	5	COMP6335	Introduction to Programming	8	1

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 the problems of information systems through investigation, analysis, interpretation of data and information, so as to formulate solutions-based information system frameworks to meet organizational goals.
2. Master the contemporary technology in Information Systems of Cloud-based, mobile, analytics, and the Internet of things.

3. Master project management concepts such as initiation, planning, execution, control and closure of projects to practice information-based systems.
4. Master the concept of business processes, systems analysis, systems development, database, programming, and project management that are necessary to support the development of information systems.
5. Master the principles and current issues in business and technology in general in order to adapt with technological developments.
6. Choose and utilize the resources of analysis, design, and implementation of information systems based on information technology and computing that are appropriate for information systems engineering activities within an organization.
7. Build information systems using the principles of information systems development SDLC (system development life cycle) to solve information system engineering problems in an organization.
8. Make creative business plans and construct, innovate, and evaluate digital based business start-ups.

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 binuscareer.com

Awards/Degrees

- *Sarjana Komputer* (S.Kom) from BINUS UNIVERSITY
- Dual Degree with Bachelor of Information Technology (B.I.T.) from Queensland University of Technology in Queensland, Australia
- Dual Degree with Bachelor of Computer and Information Sciences (BCIS) from Auckland University of Technology in Auckland, New Zealand
- Dual Degree with a Bachelor of Art (B.A.) from Cologne Business School in Cologne, Germany
- Dual Degree with a Bachelor of Science (BSc. – Hons.) in Business Information Systems from Northumbria University, Newcastle, United Kingdom.
- Dual 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. & BCIS	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)
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 (BCIS) 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 UNIVERSITAS 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 UNIVERSITAS 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 from the streams: Business Start-up, Enterprise Systems Management, or Research in Information Systems. Each stream 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 UNIVERSITAS INTERNATIONAL SCUs.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS6407	Contemporary Management Information Systems & Algorithms	6	20
	ENGL6171	Academic English I	3	
	ENTR6091	Project Hatchery	2	
	CHAR6013	Character Building: *Pancasila*	2	
	ISYS6408	Applied Project Management	3	
	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: *Kewarganegaraan*	2	
3	LANG6061	Indonesian Language	1	22
	ISYS6411	Advanced Programming and Testing	7	
	ISYS6412	Data Management and Analytics	8	
	ENTR6094	Design Driven Entrepreneurship	3	
	ENGL6172	Academic English II	3	
4	ISYS6413	Object Oriented Information Systems	6	24
	ISYS6414	User Experience	4	
	ISYS6415	Enterprise Resource Planning Systems	6	
	CHAR6015	Character Building: *Agama*	2	
	ISYS6416	Cloud Technology	6	
5	ISYS6417	E-Commerce, IOT and Mobile Systems	8	22
	ISYS6418	Information Systems Architecture	8	
	ISYS6419	Technology Consulting in the Community	6	
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
ISYS6420	Industry Experience I	8	
ISYS6421	Human Factors in Information Systems	4	
ISYS6422	Managing Across Cultures	4	
Enrichment Program II			16
ISYS6423	Industry Experience II	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*

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	

**) Elective courses for study abroad will be transferred to BINUS UNIVERSITAS INTERNATIONAL's SCUs based on the transferred credit policies.*

Prerequisites for Business Information Systems

Subject		SCU	Smt	Prerequisite		SCU	Smt
ISYS6411	Advanced Programming and Testing	7	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	ISYS6407	Contemporary Management Information Systems & Algorithm	6	1
ISYS6417	E-Commerce, IOT and Mobile Systems	8	5	ISYS6411	Advanced Programming and Testing	7	3
ISYS6418	Information Systems Architecture	8	5	ISYS6407	Contemporary Management Information Systems & Algorithm	6	1

3.6 Course Descriptions

3.6.1 International Accounting and Finance

ACCT6242 - PRINCIPLES OF ACCOUNTING I (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-requisites: None

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-requisites: None

ECON6006 – MACROECONOMICS (4 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-requisites: Microeconomics

ACCT6243 – INTERMEDIATE ACCOUNTING (6 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-requisites: Principles of Accounting

ACCT6244 – MANAGERIAL ACCOUNTING (6 SCU)

Learning Outcomes: This module focuses on introducing the cost accounting topics and advancing students to the level of managerial accounting through case studies.

Topics: Pricing strategies and their consequences, issues related to responsibility centers and the related responsibility accounting, budget for controlling, performance measurements, techniques for analyzing and managing costs, supporting information for project appraisal.

Pre-requisites: Microeconomics; Principles of Accounting

ECON6065 – ECONOMIC MATHEMATICS (4 SCU)

Learning Outcomes: This course is designed for students taking the Accounting program. It provides basic mathematical techniques for solving business and management problems.

Topics: Basic concepts in arithmetic and algebra courses including linear and non-linear functions, introduction to differentiation and integration and their applications in common economics problem, and basic operations of matrices as well as basic financial mathematics.
Pre-requisites: Macroeconomics

BUSS6092 – **BUSINESS LAW & TAXATION (6 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-requisites: None

ACCT6062 – FINANCIAL AUDITING I (4 SCU)
Learning Outcomes: 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.
Topics: 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
Pre-requisite: Intermediate Accounting

FINC6086 – CORPORATE FINANCE (6 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-requisites: Economy Mathematics; Principles of Accounting

ACCT6245 – ADVANCED ACCOUNTING (6 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-requisites: Intermediate Accounting; Business Law & Taxation

MGMT6253 – CORPORATE SUSTAINABILITY (4 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-requisites: None

FINC6111 – INVESTMENT ANALYSIS (6 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-requisites: Corporate Finance

BUSS6093 – BUSINESS INFORMATION SYSTEMS (6 SCU)
Learning outcomes: Business Information Systems combines the conceptual modeling of management information systems (MIS), accounting information systems (AIS) and implementation of Enterprise Resource Planning (ERP) in a given business setting. Upon completion of this module, students are able to explain business processes of enterprise value chains; present documentation of workflow processing and internal control requirements, and illustration of modeling of accounting interoperability; visualizing business simulation through company case studies and SAP ERP computer laboratory.
Topics: The topics covered in this module include business cycles of various industries' business process, organization of business functions and necessary systems documentation techniques, internal control, computer fraud and IT governance of SOX compliances, and the advanced technology of business environments.
Pre-requisites: Introduction to Management & Business; Principles of Accounting

ACCT6246 – ACCOUNTING THEORY (4 SCU)
Learning Outcomes: This course is the capstone of financial accounting courses that emphasizes on the comprehensive understanding of contemporary accounting issues. Upon completion of this course, students are expected to be able to explain contemporary accounting issues; explain various accounting theories; relate accounting issues and relevant accounting theories; and communicate their own opinions on accounting issues.
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.
Pre-requisites: Advanced Accounting

RSCH6068 – RESEARCH METHODOLOGY IN ACCOUNTING & FINANCE (4 SCU)

Learning outcomes: This course equips the students to conduct accounting and finance research. Upon completion of this course, students are 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 learning materials. The topics covered in this course are the research philosophy, literature review and theoretical/conceptual framework, qualitative and quantitative data collection and analysis, research model, and writing a research proposal.

Pre-requisites: Managerial Accounting, Advanced Accounting, Corporate Finance, Statistics Fundamentals

3.6.2 Graphic Design and New Media

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: 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.

Topics: 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.

Pre-requisite: History of Indonesian Art & Culture

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: None

DSGN6391 – DESIGN STUDIES I (8 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: Fundamental Principles of Design

DSGN6392 – DESIGN STUDIES II (8 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: 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: Design Studies II

DSGN6394 – INTERACTIVE DESIGN STUDIES I (8 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: Fundamental Principles of Design

DSGN6395 –INTERACTIVE DESIGN STUDIES II (8 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: 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: Interactive Design Studies II

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: None

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: 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: 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: Drawing 1

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: None

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: 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: Photography I

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: Typography I

DSGN6322 – TYPOGRAPHY II (4 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: Typography I

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-requisites: Typography I; Typography II

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: Typography I

DSGN6287 – VISUAL COMMUNICATION DESIGN REVIEW (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: Western Art Review

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-requisites: Computer Graphic I, Computer Graphic II

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: Drawing II

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: None

DSGN6294 – AUDIO VISUAL II (4 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: Audio Visual 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: 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: Animation Studio I

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: None

DSGN6316 – SCREEN DESIGN DEVELOPMENT 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 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: Design Studies I

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: Screen Design Development I

DSGN6400 – DIGITAL ADVERSTISING (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: None

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: None

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: 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: 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: None

DSGN6301 – 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: Design Studies III

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: Design Studies III or Interactive Design Studies III

DSGN6302 – FINAL PROJECT AND REPORT (8 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: Internship

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: None

RSCH6061 – DESIGN IDEA EXPLORATION II (4 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: None

RSCH6060 – ACADEMIC DESIGN RESEARCH I (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;

RSCH6062 – ACADEMIC DESIGN RESEARCH II (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; Exhibit their work and contribute in critiques and discussions of their work and the work of others.

Topics: Continuing from Academic Design Research I, the course will focusing on writing reports for Design Idea Exploration II. Reports on analysis and feedback from various target market, student needs to finalized their idea and translate it in a form of research paper.

Pre-requisite: None

RSCH6059 – VISUAL RESEARCH II (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: None

DE1213 – 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

DE1214 – ADVANCE 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.

3.6.3 Fashion Design

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 methods in the design process and concept development; apply appropriate research approaches to analyze ready to wear designs in relation to cultural and contemporary issue; apply appropriate techniques to conduct market research in fashion; apply creative and innovative design solutions through design research basis in fashion; produce a creative fashion illustration with physical and/or digital techniques by using appropriate software in illustrating fashion designs.

Topics: Fashion design is one of the acts of creating visual forms. In every creation process, there are two important stages: (1) the idea development stage and (2) the creation stage. Introduction to Fashion Design II holds an important role, as it is the starting point of an idea development stage. This course basically assists students to interpret inspiration or abstract thinking into a concrete and communicative visible result. It will give the students' knowledge of the essential stage of inspiration and communicate them into visible form. The final result of a form of a fashion illustration collection line up, emphasizing on the development of fashion drawing with the use of computer hardware and software, starts from the basic knowledge of the design software to the image editing through contemporary stylized illustrations. Students will be given a specific briefing so they can explore ideas and develop their creativity through research, concept development, consideration of style until they can finally came up with relevant design solution in areas of illustration, such as mixed media and digital image editing. This can be an informational, promotional or technical drawing.

Pre-requisites: None

FASH6011 – FASHION DESIGN I (6 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

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

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; 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 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

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 II module is a live project in trend research with a company to implement knowledge gained in Fashion Trend Forecasting I. Students need to do research on a specific market and analyze the relevant upcoming trends based on the research. It requires critical thinking and judgment to make the trend prediction considering the company's positioning in the market.

Pre-requisite: None

FASH6017 – FASHION DESIGN II (6 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

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

FASH6070 – FASHION BUSINESS FOR FD (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain different fashion marketing concepts; explain different market segmentation and identify potential target markets, presenting new business plan through verbal and written communication effectively; produce and present creative and innovative designs of fashion business plans.

Topics: This course brings the perspective of being an entrepreneur in the fashion industry. You will also learn how a new business starts from ground zero and put into practice everything that you have been learning about how to run your business properly and profitably. Creativity and innovation in every aspect will be emphasized during the course activities.
Pre-requisites: None

FASH6028 – FASHION DESIGN III (6 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

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

FASH6080 – SUSTAINABLE FASHION (4 SCU): ELECTIVE
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

FASH6081 – FASHION OPERATION MANAGEMENT (4 SCU): ELECTIVE
Learning outcomes: Upon completion of this course, students are expected to be able to: demonstrate understanding in managing people in the fashion business; manage a process in export and import in fashion business; communicate with people; report and appraise fashion; understand export and import process in fashion operation business; understand strategy in export and import; understand the process; and make a strategic plan in distribution channels.
Topics: This course is designed to guide students on managing people and placing talents in the fashion business, and the processes of the import and export process. Analyzing the process of export and import, students learn how

to manage people as one of the important factors in fashion management. The students are required to compile all data accordingly in terms of distribution channel. All data should be selected to provide a strong foundation for further research development and evidence of their analytical skills and judgments.
Pre-requisites: None

FASH6032 – PROJECT REPORT WRITING (4 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

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

FASH6037 – FINAL PROJECT (8 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

FASH6067 – FASHION MARKETING I (6 SCU)
Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain different fashion marketing concepts, terminologies and trends; describe how market environment influence fashion marketing; analyze how consumer behavior affects fashion business; explain different market segmentation and

identify potential target markets; create a strategic marketing plan for fashion product/service/brand; communicate effectively in fashion brand marketing with relevant reports and presentation skills.

Topics: This course is designed to introduce students to the field of marketing in the fashion industry and enable them to understand the fundamental concepts of marketing, and the needs of marketing as applied in the world of fashion and its value in business, and the fashion business environment. Market segmentation and targeting strategies, market research, consumer behavior, product development, and pricing policies will all be discussed. 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 and consumers.

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

FASH6068 – FASHION GRAPHICS AND PROMOTION (4 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: create fashion brand advertisements using appropriate techniques and methods; show evidence of aesthetic and concept generation; communicate effectively with visual aids in the advertisement to the market audience; utilize appropriate software to illustrate the brand promotion design; apply principles of page layout and drawing presentation in making the fashion promotion; aid, plan and produce a look-book for a fashion brand.

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

FASH6072 – DESIGN REALIZATION & PROMOTION I (6 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

FASH6076 – FASHION RETAIL MANAGEMENT (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 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

FASH6027 – DESIGN REALIZATION & 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

3.6.4 Communication

COMM6194 – INTRODUCTION TO COMMUNICATION (3 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.
Prerequisite: None

COMM6240 – PHOTOGRAPHY & BASIC VIDEOGRAPHY (4 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.
Prerequisite: None

COMM6241 – PUBLIC SPEAKING & PERFORMING (6 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; and independently arrange their own venue and audience for a public performance.
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.
Prerequisite: None

COMM6164 – CREATIVE WRITING (2 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.
Prerequisite: None

COMM6243 – COMMUNICATION THEORIES (6 SCU)
Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain the principles and central ideas of different communication theories; compare different perspectives in communication and media studies; chronologically explain the long history of the development of the communication discipline; apply different communication theories in real life; evaluate the advantages and disadvantages of different communication theories applied to specific communication problems; and review the application of theories in different communication situations.
Topics: The class provides a working knowledge of theories that explain the broad range of communication phenomena; discusses what these theories say about the 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 the brief history of how the communication discipline is

developing; explores classic as well as the newest thoughts in communication; and explores the practical, engaging, and relevant ways in which these theories operate in our lives.
Prerequisite: Introduction to Communication

COMM6242 – DIGITAL PUBLICATION (4 SCU)
Learning Outcomes: Upon completion of this course, students are expected to be able to: understand the process of digital publication; describe the differences between digital and print publication; develop materials for digital medium**;** and be aware of new ideas, developments, and issues in relation to digital publication.
Topic: The course is designed for students to explore other forms of publication. It introduces the students to the steps of digital publication. Student will have to design and develop a publication and publish it online.
Prerequisite: None

STAT8067– BUSINESS STATISTICS I (2 SCU)
Learning Outcomes: Upon successful completion of this course, 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.
Topics: This course is part one of Business Statistics courses offered to Marketing, HTM, and International Business programs, which introduces the basic concepts of statistics for research. 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.
Prerequisite: None

COMM6009 – INTRODUCTION TO POLITICAL SCIENCE (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.
Prerequisite: None

COMM6167 – INTERPERSONAL COMMUNICATION (2 SCU)
Learning Outcomes: Upon successful completion of this course, students are expected to be able to: explain causal relations between personal communication and identities; explain the interplay roles between human emotions, communication situations, and successful interactions; as well as 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 processes affect identities. It introduces the roles of human perception and language. It overviews how the process depends on emotions and the willingness of involved parties. The class also explores the conditions for

healthy interpersonal communication. Towards the end of the course students discuss their involvement in relationships between individuals by exploring various kinds of interpersonal communication.
Prerequisite: None

COMM6244 – INTERCULTURAL COMMUNICATION (2 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.
Prerequisite: Introduction to Communication

PSYC6151 – INTRODUCTION TO PSYCHOLOGY (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.
Prerequisite: None

COMM6246 – INTRODUCTION TO JOURNALISM & INTERVIEW TECHNIQUES (6 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.
Prerequisite: None

COMM6245 – INTRO TO PR & CREATIVE ADVERTISING (6 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.

Prerequisite: None

SOCS6012 – SOCIAL CHANGE AND GLOBALIZATION (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: define and describe globalization and social change; describe different perspectives on globalization and social change; recognize the societal consequences of globalization in different parts of the world; illustrate current globalization processes; and illustrate social change as an effect of the current globalization process in different parts of the world.

Topics: This class exposes students to basic concepts, assumptions, and theories concerning globalization and social changes. In the process, the class will also introduce students to recognize the changes in the current society due to the globalization process and social change.

Prerequisite: None

LAWS6126 – MEDIA ETHICS & LAW (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: analyze interactions between freedom of expression and regulations to curb it; explain the history of policies in controlling media and analyze the impact of political and economic powers to the policies; analyze the political and economic logic behind policies in mass media; describe the principles of organization; describe the basic concepts of organization communication; explain the methods of creating effective communication in an organization; explain the general connections between the words “communication” and “community”; evaluate communication functions in space and time metaphors; as well as construct transmission and ritual aspects of each communication situation.

Topics: The class provides students with an understanding and critical attitudes towards the relation between the media, law, policies, and the sources of needs to regulate media. Different screenings and class discussions equip students with an understanding of the needs to regulate media systems, content, and even the audience and ways of consuming media.

The course introduces students to ways of communicating in an organizational context. Concepts, processes, and theories of Communication in Organization are discussed and demonstrated in the class in order to illustrate a

contemporary situation. The class explores the interconnectivities of media, communication, culture, and society, as well as discusses meanings in communication that shape the identities of members in society. Students are asked to understand communication beyond its function as a means of control and beyond its effects to the audience, to embrace more ritualistic functions of communication for members of society.

Prerequisite: None

MKTG6185 – MARKETING MANAGEMENT (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply different management phrases and concepts in managing an organization; explain different challenges in management and decision-making processes; explain ethics and social responsibility in a business practice; describe marketing mix and marketing strategies in different business situations; apply appropriate marketing concepts in simple marketing strategies; identify and explain the effects of marketing practices towards the community and the environment at large; define existing consumer behavior concepts, theories, and models; describe the basic principles of consumer behavior from a variety of behavioral perspectives; describe the role of consumer behavior in mass communication from the perspectives of public relations and advertising; recognize the influence and roles of various factors related to consumers' decision processes; demonstrate the usage of consumer marketing research and strategies to shape consumer behavior; analyze consumer decision making in a variety of situations, and be able to develop a decision model for a specific product/ brand/ situation.

Topics: The class introduces students to the concepts, principles, and theories of management practice. The course examines generic management theories that are also applicable to a variety of organizational structures that students can apply to media industries. The course also explores issues of leadership, from decision making, planning, ethics, motivation for performance managerial controlling, and corporate responsibility.

This course is designed for media and social science students, 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 a foundation of what marketing is all about.

This course introduces an in-depth understanding of the roles and functions of consumers in the marketplace and the implications for marketing strategies related to public relations and advertising. The class demonstrates and analyzes the consumer decision making process, perceptions, learning, group influences, and marketing implications.

Prerequisite: None

RSCH6018 – QUANTITATIVE AND QUALITATIVE RESEARCH METHODS (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.

Prerequisite: None

COMM6259 - INTRODUCTION TO SOCIOLOGY & ANTHROPOLOGY (4 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.

Prerequisite: 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.

Prerequisite: Qualitative and Quantitative Research Methods

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.

Prerequisite: 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.

Prerequisite: None

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.

Prerequisite: Introduction to Journalism

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.

Prerequisite: Introduction to Journalism

LANG6087 – INDONESIAN LANGUAGE (2 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.
Prerequisite: Introduction to Journalism & Interview Techniques

COMM6250 – CREATIVE AGENCY INDUSTRY (2 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.
Prerequisite: None.

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.
Prerequisite: 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.
Prerequisite: Introduction to PR & Creative Advertising

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.
Prerequisite: Introduction to PR & Creative Advertising

COMM6253 – ENTERTAINMENT NETWORKING & NEGOTIATION (8 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.
Prerequisites: None.

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.
Prerequisites: None.

COMM6102 - SOCIAL MEDIA CONTENT STRATEGIES AND ANALYTICS (4 SCU)
Learning Outcomes: Upon completion of this course, students are expected to be able to: set up a variety of social media (such as Google+ and LinkedIn); apply technical strategies to increase content distribution and online visibility; apply strategies to create interconnected social media according to best practices; as well as understand how to read analytical data.

Topics: 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 perspectives of entrepreneurs, advertisers, and marketers. Students will discover how to attain 'likes' and followership, as well learn to understand the differences between high and low quality content and consequently followers.
Prerequisite: None

3.6.5 Computer Science

COMP6335 - INTRODUCTION TO PROGRAMMING (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain the basic principles of computing and programming; use programming logic and different programming techniques to produce innovative computing practices; apply principles of Python programming in designing and developing a program; identify and analyze computing problems, and define the appropriate solutions; define, compare, analyze, and solve general algorithmic problem types: sorting, searching, and string processing; implement, empirically compare, and apply fundamental algorithms and data structures to real-world problems; and identify and analyze computing problems, and define appropriate solutions.
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. In addition, the course is designed to teach basic problem-solving techniques and programming concepts and to enable the students to develop algorithms and well-structured programs. It introduces students to the concepts and techniques of programming using the Python programming language. The students' competency is assessed by their capability to create a middle-sized application program in the Python programming language.
Prerequisites: None

COMP6336 - DISCRETE STRUCTURES (5 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to understand the notion of mathematical thinking, mathematical proofs, and algorithmic thinking, and be able to apply them in problem solving; understand the basics of discrete probability and number theory, and be able to apply the methods from these subjects in problem solving; use effective algebraic techniques to analyze basic discrete structures and algorithms; understand asymptotic notation, its significance, and be able to use it to analyze asymptotic performance for some basic algorithmic examples; understand some basic properties of graphs and related discrete structures, and be able to relate these to practical examples; apply discrete structures into other computing problems such as formal specifications, verifications, databases, and cryptography; and apply formal logic proofs and/or informal, but rigorous, logical reasoning to real problems, such as predicting the behavior of software or solving problems such as puzzles.
Topics: This course introduces students to basic concepts of discrete mathematics in order to develop a mathematical maturity and ability to deal with abstraction. The course materials serve the interests of the students in relation to further study in pure and applied mathematics, computer science, and engineering. Topics covered in this course include the concepts of logic and proofs; concepts of the language of mathematics including sets, sequences, number systems, relations, and 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 grammar, automata manipulations, regular expressions, proof techniques, and reasoning about computational capabilities.

Prerequisites: None

COMP6337 - PROGRAMMING LANGUAGES (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and define the computing requirements appropriate to solving a problem; explain and 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; design computer programs by applying different data structures and related algorithms; and design efficient software solutions that are appropriate for specific problems.

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. This course is also designed to provide students with strong practical skills in implementing the most widely-used object-oriented methods and patterns. It is a technology course, meaning that after students get a solid understanding of a certain method, they are expected to be able to implement the method into working object-oriented applications with the most popular technologies. The content of the course goes into great detail of class design, polymorphism, inheritance, Java object model, framework, and design patterns. At the end, students are expected to gain more of an understanding about how to create a correct object-oriented application design. In addition, the course 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.

Prerequisites: None

COMP6338 - COMPUTATIONAL MATHEMATICS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to aggregate quantities using methods of integration, and analyze dynamic models formulated as differential equations; linearize nonlinear models; formulate linear models in a compact notation, manipulate them in an efficient manner, and solve linear equations algorithmically using the theory on linear algebra; describe and manipulate vector spaces, subspaces, and their bases; and use appropriate and relevant, fundamental, and applied mathematical and statistical knowledge, methodologies, and modern computational tools.

Topics: This course involves the study of methods of computing numerical data. Topics covered in this course include interpolations, approximations, numerical differentiation, and integration techniques, and numerical solutions of ordinary and partial differential equations. It also introduces some key ideas and techniques associated with the numerical solution of differential equations, ranging from theoretical questions about the accuracy of finite difference schemes and the efficiency of algorithms, until its implementation in computer codes.

Prerequisites: None

COMP6339 - DATABASE SYSTEMS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify, define, and 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 and use 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.
Prerequisites: None

COMP6340 - ANALYSIS OF ALGORITHMS (7 SCU)
Learning Outcomes: Upon successful completion of this course, students are expected to be able to understand basic ideas about algorithms; understand the concepts of time and space complexity and the big-O notation; understand 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 learn how to apply their 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.
Prerequisites: Introduction to Programming

COMP6341 - MULTIMEDIA AND HUMAN COMPUTER INTERACTIONS (4 SCU)
Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain theories and conceptual frameworks and methods of the human aspects of User Interface Engineering (UIE); identify and analyze UIE difficulties, pitfalls, and requirements of translating theory and principles on system design; design a human-computer interface according to the user's requirements using suitable technologies; communicate effectively through expression and logic in user-interface engineering; apply appropriate techniques in the systems specifications and design stages of UIE projects; use appropriate types of media in multimedia projects and assignments; and design and create a complete multimedia project using the latest visual programming.
Topics: This course will introduce human-computer interaction (HCI) issues in the design of multimedia information systems. The course includes these topics: usability, theories of HCI, design process, evaluating interface design; internationalization, cross cultural usability; human information processing, direct manipulation, menus, commands, natural language solutions, user manuals and documentation; interactive devices, computer-supported cooperative work, collaboration tools; multimedia tools and implementation of prototypes.
Prerequisites: None

CPEN6200 - COMPUTER NETWORKS AND SECURITY (6 SCU)
Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify network equipment, and describe their function and parameters; calculate network parameters to achieve a given requirement; identify and apply appropriate network components to solve a given design; implement a small network with the correct configuration; develop solutions for networking and security problems, balancing business concerns, technical issues and security; identify infrastructure components and the roles they serve; design infrastructure

including devices, topologies, protocols, systems software, management and security; and analyze the performance of enterprise network systems.

Topics: The course is designed to understand computer security through experiments. It shows the educational benefits from computer break-ins through capturing the ever-changing penetration lines of attacks such as botnets, worms, and malware. Students install a computer system on a network and observe what happens to it, learn which vulnerabilities adversaries are using. The observed methods of operations by these intruders might even be some of which we are unaware of. If the system serves no other purpose, then every attempt to contact it seems suspect. If the system is attacked, the students learn methods of identifying the actors and evaluate their actions that can be of novel techniques. These are further analyzed to exhibit the impact of the incident on the victim organization.

Prerequisites: None

COMP6342 - COMPUTER ARCHITECTURE AND OPERATING SYSTEMS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to manage multiple operating systems, systems software, network services, and security. They should be able to evaluate and compare systems software and emerging technologies; use appropriate resources to stay abreast of the latest industry tools and techniques; analyze the impact on existing systems and apply it to future situations; classify operating system techniques according to its principles; describe available methods and protocols to perform a computing job; and assess the efficiency of techniques for managing computing resources.

Topics: The course is designed to explain about computer architecture and organization, which includes computer evolution and performance, computer interconnection structures, internal and external memory, I/O, operating systems support, computer arithmetic, instruction sets, CPU structure and function, RISC, superscalar processors, control unit operation, micro-programmed control, multiprocessors and vector processing, and digital logic. In addition, it is also designed to explain the mechanism of general modern operating systems, which includes the history of most operating systems, their concepts, components, and functions, and how the common operating systems work in the hardware framework. Furthermore, the hands-on lab session will be the focus in an open source operating system, such as Linux, with the intention of broadening students' minds, knowledge, and interest of an alternative open-source operating system.

Prerequisites: None

COMP6343 - WEB APPLICATION DEVELOPMENT AND SECURITY (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to design, create, and analyze relational databases within a web-server environment; employ JavaScript as a general purpose web-based client-side scripting language; explain the various protections against Internet attacks; identify and apply SEO-friendly websites; design and create a dynamic Web application using a framework that implements server-side scripting and database access capabilities; recognize alternative solutions with their advantages and disadvantages; classify the available solutions to balance between functionality 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 Java technology as a unifying theme and prepares students to be technically knowledgeable on security issues that cause the websites to be defaced, out of service, or become a source of malware spread. It introduces students to the concepts and techniques of dynamic webpage construction, basic Web protocols, explore design issues and techniques, and its implementation in Java server–side programming. Web security topics such as injection flaws, cross site scripting, broken authentication and session management, and improper error handling are discussed. Web security audit tools are introduced to aid students to examine HTTP headers and content that serve as the vulnerable communication media.

Prerequisites: Programming Languages

COMP6344 - COMPUTER GRAPHICS (4 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.

Prerequisites: Introduction to Programming

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.

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.

Prerequisites: Analysis of Algorithms

COMP6346 - PERVASIVE SOFTWARE ENGINEERING (8 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.
Prerequisites: Programming Languages

COMP6347 - CLOUD AND DISTRIBUTED SYSTEMS (6 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: Computer Networks and Security

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 you are in a classroom, or how well you use the research library. The end result is not a PowerPoint slide deck for a VC presentation. Instead you will be getting your hands dirty talking to customers, partners, competitors, as you encounter the chaos and uncertainty of how a startup actually works. You will work in teams learning how to turn a creative idea into a real company. You 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 you would want/use your product. Finally, you will see how agile development can help you rapidly iterate your product to build something customers will use and buy. Each week will be a new adventure as you test each part of your business model and then share the hard earned knowledge with the rest of the class. Working with your team, you will encounter issues on how to build and work with a team and we will help you understand how to build and manage a startup team.
Prerequisites: None

GAME6048 - GAME 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.

Prerequisites: Introduction to Programming

GAME6046 - ADVANCED GAME 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.

Prerequisites: Introduction to Programming

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; explain and 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. 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; explain and apply principles of ethical hacking for professional responsibilities; and analyze the impact of a vulnerability to the security of the stakeholders.

Prerequisites: Computer Networks and Security

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 in order 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.

Prerequisites: Computer Networks and Security

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.

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.

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.

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.

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.

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.

3.6.6 Business Information Systems

ISYS6407 – CONTEMPORARY MANAGEMENT INFORMATION SYSTEMS AND ALGORITHMS (6 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.

Prerequisites: None

ISYS6408 - APPLIED PROJECT MANAGEMENT (3 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.

Prerequisites: 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.

Prerequisites: None

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.

Prerequisites: 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.

Prerequisites: None

ISYS6411 – ADVANCED PROGRAMMING AND TESTING (7 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.

Prerequisites: ISYS6409 - Programming Mastery

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.

Prerequisites: MATH6115 - 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.

Prerequisites: None

ISYS6414 – 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.

Prerequisites: 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.

Prerequisites: ISYS6407 - Contemporary MIS & Algorithms

ISYS6416 – CLOUD TECHNOLOGY (6 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.

Prerequisites: None

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.

Prerequisites: ISYS6411 - Advanced Programming and Testing

ISYS6418 – INFORMATION SYSTEMS ARCHITECTURE (8 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.

Prerequisites: ISYS6407 - Contemporary MIS and Algorithms

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.
Prerequisites: None

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.
Prerequisites: 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.
Prerequisites: 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.
Prerequisites: 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.
Prerequisites: None

ISYS6420 – INDUSTRY EXPERIENCE I & ISYS6423 – INDUSTRY EXPERIENCE II (16 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.
Prerequisites: 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.
Prerequisites: 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.
Prerequisites: 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.
Prerequisites: None

3.6.7 General Studies (GS)

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: 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: 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: None

ENGL6171 – ACADEMIC ENGLISH I (3 SCU) + 1 HOUR WORKSHOP

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) + 1 HOUR WORKSHOP

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

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: None

ENTR6094 - DESIGN DRIVEN ENTREPRENEURSHIP (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, design and validate basic Business Model Canvas, and pitch business idea effectively to stakeholders.

Topics: In this course, students will learn more on how to design the right business model to tackle business challenges. Students 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 you would want/use your product. In order to do it properly, students need to have a strong foundation and understanding of nowadays entrepreneurship where technology growing rapidly. This course will focus on finding the right product or service to the right market before setting up new business and how to communicate business idea effectively to the stakeholder. Working with your team you will encounter issues on how to build and work with a team and we will help you understand how to build and manage the startup team.

Pre-requisite: Project Hatchery

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: Design Driven Entrepreneurship

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: Design Driven Entrepreneurship

ENTR6097 – MANAGING TEAM 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: Design Driven Entrepreneurship

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: Business Model Innovation

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: 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: Business Model Innovation

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 21 clubs:

1. ASC (Accounting Students Club)
2. BEST (BINUS UNIVERSITY INTERNATIONAL English Society)
3. BIBC (BINUS UNIVERSITY INTERNATIONAL Basketball Club)
4. BIDC (BINUS UNIVERSITY INTERNATIONAL Dance Club)
5. BIFC (BINUS UNIVERSITY INTERNATIONAL Football Club)
6. BIJAC (BINUS UNIVERSITY INTERNATIONAL Japanese Club)
7. BIMARC (BINUS UNIVERSITY INTERNATIONAL Marketing Club)
8. BIMUS (BINUS UNIVERSITY INTERNATIONAL Music Club)
9. BINARY (Computer Science Student Association)
10. BIPEDS (BINUS UNIVERSITY INTERNATIONAL Pool of English Debaters)
11. BITE (BINUS UNIVERSITY INTERNATIONAL Trading Enterprise)
12. BMS (BINUS UNIVERSITY INTERNATIONAL Moslem Society)
13. CAC (Creative Art Community)
14. CIA (Cameras in Action or BINUS UNIVERSITY INTERNATIONAL Cinematography Club)
15. CIC (Community in Christ)
16. BASIS (Club of Information Systems)
17. VOB (Voice of BINUS UNIVERSITY INTERNATIONAL)
18. BISC (BINUS UNIVERSITY INTERNATIONAL Student Committee)
19. BINUS UNIVERSITY INTERNATIONAL Capoeira Club
20. AIESEC
21. Kine Club (Film Club)

4. Graduate Program

Graduate Program in Information System Management, Information Technology, Industrial Engineering, Accounting, Communication Science, Doctoral Program in Computer Science (DCS)

Graduate Program in Information System Management, Information Technology, Industrial Engineering, Accounting, Communication Science, and Doctoral Program in Computer Science Bina Nusantara (BINUS) University as an education institution has shown it's 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 (ISM) and Information Technology (IT) and new graduate program in Industrial Engineering was introduced in September 2014. The Accounting Program and Communication Science will be 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 offer 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 Information System Management (ISM) Study Program have competency as a leader in information system and Information Technology which 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 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.

The Graduates of Information Technology (IT) is a Post-Graduate Study Program that 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. It is expected 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 Graduate of Industrial Engineering (IE) Study Program 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 graduate of industrial engineering 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 graduate of industrial engineering has competency to predict the strategic impact of emerging technologies and innovations in industrial engineering area.

The Graduate 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 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 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 of Communication Sciences (ILKOM) is designed to have 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. 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 doctoral program in management, and graduate program in ISM, IT, IE, MAKSI and ILKOM study programs, 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. Beside 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 industry 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 doctoral of DCS and the graduates of IT/ISM/IE/MAKSI/ILKOM 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 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 Examinations

The examinations which are conducted by BINUS UNIVERSITY consist of thesis examination and quality control examination.

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 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.

4.1.3 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 vary 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 Disctinction
A-	3.67	85 – 89	Disctinction
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

4.1.4 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:

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

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

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

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

4.1.5 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 submitting a paper at accredited National journal or International 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.
- Submitting International Journals indexed by Scopus.
- Collecting Intelectual Property Form.
- Must submit two articles into reputable journal indexed by Scopus and has presented a paper as a speaker in an international conference.

4.1.6 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.

4.1.7 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.

4.1.8 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 of Academic Title Graduate Program

Programs	Study Level	Academic Title
Information Technology	S2	Magister Teknik Informatika (M.TI)
Information Systems Management	S2	Magister Manajemen Sistem Informasi (M.MSI)
Industrial Engineering	S2	Magister Teknik (M.T.)
Accounting	S2	Magister Akuntansi (M.Akun.)
Communication Science	S2	Magister Ilmu Komunikasi (M.I.K.)
Doctor of Computer Science	S3	Doktor Ilmu Komputer (Dr.)

4.2 Programs

4.2.1 Master of Information System Management

Introduction

The graduates of Information System Management Study Program have competency as a leader in information system which 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 able to act as consultant of information system for organization in planning information system strategy, including evaluation to effectiveness and efficiency of information system 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 conduct a research in various corporate business models using knowledge based repository with mono, multi, or interdisciplinary approach, either independently or in groups to be able to design, create, manipulate, and implement information systems at the corporate level;
2. Able to conduct a research in various corporate business models using "knowledge based repository" with mono, multi, or interdisciplinary approach, either independently or in groups in order to integrate corporate-level of information systems based on the results of the analysis and synthesis of a various corporate business models;
3. Able to conduct a research in various corporate business models using knowledge based repository with 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 conduct a research in various corporate business models using knowledge based repository with mono, multi, or interdisciplinary approach, either independently or in groups in order to evaluate and improve the security and maturity of Information Systems and Information and Communication Technology at the corporate level;
5. Able to comprehend or extend the e-business theory application, information system leadership theory, strategic knowledge management, information system quality assurance, and control theory, accurately, tested, and innovative;
6. Able to integrate corporate-level of information systems based on the results of analysis and synthesis by aligning business strategy and Information Systems and Information and Communication Technology strategy from the various business corporate models;
7. Able to develop ideas and creativity in planning and developing business models based electronic systems and Information and Communication Technologies applied to the personal and corporate level;
8. Able to provide innovative alternative solutions based global business model that is supported by the knowledge-based repository based on the results of multidisciplinary research independently or groups;
9. Able to plan, implement, and monitor the information system development project in improving productivity and quality of information at the corporate level;
10. Able and fluent in English as a support language in communication and correspondence in a global environment.

Prospective Career of the graduates

Master of Information System Management graduates have the opportunity to fill positions at prestigious firms such as the IS Function Division Top Management, Consultant and System integrator, IS Project Manager, dan Business Analyst.

Course Structure

Sem	Code	Course Name	SCU	Total
1	ISYS8033	Services Oriented Enterprise	4	16
	MGMT8046	Project and Change Management	4	
	RSCH8086	IS Research Methodology	4	
	Stream : IS Strategic Management			
	ISYS8034	Digital Business and E-Commerce Management	4	
	Stream : Technopreneurship			
	ENTR8006	Entrepreneurship and New Venture Creation	4	
2	ISYS8035	Entreprise Architecture	4	16
	MGMT8047	Advance Topic in MIS	4	
	ISYS8036	Business Intelligence and Analytics	4	
	RSCH8087	Pre Thesis	0	
	Stream : IS Strategic Management			
	ISYS8037	Emerging ICT Issues and Valuation	4	
	Stream : Technopreneurship			
	ENTR8007	Social Network and Engagements	4	
3	ISYS8038	Security and Risk Management	4	10
	RSCH8083	Thesis (Colloquium)	2	
	RSCH8084	Academic Writing (Publication)	0	
	RSCH8085	Thesis	4	
TOTAL CREDITS 42 SCU				

4.2.2 Master of Information Technology

Introduction

It is expected 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 using the benefit with its changes.
4. Communicate
   Communicating organization vision to staff to support the change and increasing organization's profit.
5. Manage
   Managing the development and operational of ICT division to supporting 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.

Course Structure

Sem	Code	Course Name	SCU	Total
1	COMP8029	IT Security and Risk Management	4	16
	MOBI8002	Mobile Technology and Cloud Computing	4	
	RSCH8079	IT Research Methodology	4	
	Stream : Information Engineering			
	COMP8030	Advanced Database Systems	4	
	Stream : IT Strategic and Infrastructure Management			
	CPEN8004	Network Governance	4	
2	COMP8031	IT Services	4	17
	RSCH8080	Pre Thesis	1	
	Stream : Information Engineering			
	COMP8032	Selected Topics in Information Engineering	4	
	COMP8034	Knowledge Data Discovery	4	
	COMP8035	Big Data Analytics	4	
	Stream : IT Strategic and Infrastructure Management			
	COMP8033	Selected Topics in IT Infrastructure Management	4	
	COMP8036	Services Oriented Architecture	4	
	COMP8037	IT Strategic Planning & Enterprise Architecture	4	
3	ISYS8032	IT Project Management	4	9
	RSCH8081	Writing paper & Colloquium thesis	2	
	RSCH8082	Thesis	3	
TOTAL CREDITS 42 SCU				

4.2.3 Master of Industrial Engineering

Introduction

The graduate program in Master of Industrial Engineering has the ability to contribute 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. 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 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 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 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. Mastering the theory of engineering science, engineering design, the latest methods and techniques required for the analysis and design of integrated systems;
6. Mastering the theory of system and current mathematical optimization application;
7. Mastering the interdisciplinary approach contextual and up to date associated with the integrated system design;
8. Able to propose alternative solutions to solve the problems the service industry through research in design, operation, and integrated systems improvement;
9. Able to design innovative industrial systems and proven by integrated information technology through multi / interdisciplinary approach;
10. Able to propose alternative solutions to resolve the problems of supply chain with industrial engineering science approach;
11. 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

Sem	Code	Course Name	SCU	Total
1	STAT8006	Statistical Analysis & Research Methodology	4	16
	ISYE8022	Engineering Optimization	4	
	ISYE8014	Quality Assurance & Total Quality Management	4	
	ISYE8015	Selected Topic in Industrial Engineering	4	
2	MGMT8045	Operation Management	4	16
	ISYE8018	Human-Integrated System & Occupational Safety and Health Administration	4	
	RSCH8088	Pre Thesis	0	
	Stream : Industrial Management			
	ISYE8016	Industrial System Design	4	
	ISYE8019	Service Engineering	4	
	Stream : Supply Chain Engineering			
	ISYE8017	Supply Chain and Logistics	4	
	ISYE8020	Supply Chain Modeling	4	10
3	ISYE8021	System Simulation and Modeling	4	
	RSCH8011	Thesis	6	
TOTAL CREDITS 42 SCU				

4.2.4 Master of Accounting

Introduction

The Master of Accounting 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 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 curricula;
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 diciplinary strategies;
3. Able to advance the scientific diciplines of accounting through the results of the research in the form of an improved and new ideas that are useful for society with multiparadigm perspective;
4. Able to make decisions on a wide-range of accounting theories and research methods options with inter and multidiciplinary 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;
- Tax consultant.

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

Sem	Code	Course Name	SCU	Total
1	ACCT8002	Corporate Reporting	4	12
	RSCH8065	Research Methodology in Accounting and Business	4	
	ACCT8004	Advanced Management Accounting	4	
2	RSCH8071	Quantitative and Qualitative Data Analysis	4	12
	FINC8007	Advanced Financial Management	4	
	Stream: Management Accounting			
	ACCT8005	Strategic Management Control System	4	
	Stream: Assurance and Attestation			
	ACCT8007	Compliance Auditing and Internal Controls	4	
3	RSCH8066	Pre-Thesis	0	12
	ACCT8003	Business Ethics and Corporate Governance	4	
	ISYS8030	Business Solution Analysis	4	
	Stream : Management Accounting			
	MGMT8038	Performance Management and Reporting	4	
	Stream : Assurance and Attestation			
	ACCT8006	Forensic Accounting and Investigative Auditing	4	
4	RSCH8067	Thesis	6	6
TOTAL CREDITS 42 SCU				

4.2.5 Master of Communication Science

Introduction

The study program of Master of 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 Master of Communication Studies with a focus on the fields of Marketing Communication 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 Master of Communication Science BINUS UNIVERSITY with specialization in Marketing Communication focus 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 Integrated Marketing Communication. In addition, the excellence program of study Masters in Communication Studies with a focus on Marketing Communication curriculum 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 completing the study, graduates 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 CorporateCommunication, Marketing Communications Consultant/Business Communication Consultant, Communication Sciences Lecturer in specialization of Integrated Marketing Communication, and staff of experts in the field of marketing communications both in government and private.

Curriculum

Curriculum Concept of Master Communication Sciences, focused on the Integrated Marketing communications curriculum aims to combine Business and Digital, as it spread in the course of the following:

Course Structure

Sem	Code	Course Name	SCU	Total
1	COMM8002	Advanced Theory of Communication	4	16
	RSCH8061	Research Methodology for Communication	4	
	COMM8001	Philosophy of Communication Science	4	
	RSCH8062	Research Proposal	4	
2	COMM8004	Cyber and Digital Marketing Communication Strategy	4	16
	COMM8005	Public Relations and Global Marketing Communication	4	
	MGMT8036	Management of Business Communication	4	
	COMM8003	Media Relations Strategy	4	
3	RSCH8063	Research Result	4	10
	RSCH8064	Thesis	6	
TOTAL CREDITS 42 SCU				

4.3 Course Description

4.3.1 Master of Information System 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 Enteprise 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.

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.

4.3.2 Master of Information Technology

COMP8029 – IT SECURITY AND RISK MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analyse the nature of information security and the risk involved; Propose the necessary mitigations for probable security events; Evaluate results of computer forensics for security risk management; To propose disaster recovery methods to recover from security attacks; To propose business continuity plan that can mitigate the IT infra structure disruptions.

Topics: Risk Management – Contingency Planning Within Information Security; Risk Management – Planning For Organizational Readiness; Technical aspect of Information Security; Network Risk – Intrusion; Network Risk Mitigation – Intrusion Detection; Incident Response Preparation, Organisation and Prevention; Incident Response Reaction, Recovery and Maintenance; Principles and Investigations of Computer Forensics for risk mitigation; Computer Forensics – Tools and Acquisitions; Computer Forensics – Analysis and validation; Disaster Recovery – Preparation, Operation and Maintenance; Business Continuity – Preparation, Operations and Maintenance.

COMP8030 – ADVANCED DATABASE SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Appreciate that database are widespread nowadays. The course discusses the development of the database approach and introduces the DBMS environment. The course is also to introduce the terminology and concepts of the data warehousing, which is now the important system for business intelligence and applications; Understand the concepts of data warehousing and to discuss how these systems are capable of potentially delivering competitive advantage to an organization. The course also describes the relationship between data warehousing and Online Transaction Processing (OLAP) systems and to identify the main characteristics of this systems and to describe Online Analytical Processing (OLAP) and the main features associated with OLAP applications; Understand the purpose of the development life cycle and how this cycles relates to the database ware house development lifecycle. To describe the activities associates with each stage of the database ware house lifecycle. To introduce the dimensional modelling, a high-level conceptual data model, and to discuss the usefulness of this modelling technique in the data warehouse design; Describe the concept of Data Mining (DM) and the main features of DM applications, the main characteristics of data mining operations and associated techniques, and the process of DM and the main features of DM tools.

Topics: Introduction to Data Warehouse; Decision Support and Business Intelligence Systems; Elements of the Data Warehouse; Basic Processes of the Data Warehouse; Dimensional Modeling; Business Requirement Definition; Dimensional Design; Data Warehouse Architecture; Metadata and the Metadata Catalog; End User 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.

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; Capacity Planning; Security management; Facility Management; Integrating System Management Process.

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: Students will have an 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.

CPEN8004 – NETWORK GOVERNANCE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Undertake critical reviews of current technical and research literature on a range of networking topics: Design, procure, implement and manage an organization's networking needs; Display a detailed knowledge of emerging network technologies; Display detailed skills and knowledge of network design, security and management; Work 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 Strategies; Selecting Technologies and Devices for Campus and Enterprise Networks; Testing the Network Design; Optimizing The Network Design; Documenting The Network Design; Student Project Presentation and Review.

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.

MOBI8002 – MOBILE TECHNOLOGY AND CLOUD COMPUTING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand various aspects of mobile technology and cloud computing; Comprehend 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.

RSCH8079 – IT RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to:What academic research about; Formulate a good research problems; Developing Research Design and Theoretical Formulation; Research Method in Information Technology; Write a good proposal; Using statistical tools for data analysis; Write a Thesis and Scientific Journal.

Topics: Preparing Research; Step for Research; Research Methodology; Writing Proposal; Writing Scientific Journal; Scientific Presentation.

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

4.3.3 Master of Industrial Engineering

ISYE8012 – 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.

ISYE8014 – QUALITY ASSURANCE & TOTAL QUALITY MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the principles of TQM and Quality Engineering in the industrial problems; Apply the tools and techniques of TQM and quality engineering in industrial engineering problems; Solve the industrial engineering problems.

Topics: Introduction to TQM and quality engineering methods; Six Sigma; Lean manufacturing; Statistical Process Charts; TQM strategy; International Standards.

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

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.

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.

RSCH8011 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply the tools and techniques in industrial engineeringExplain 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.

STAT8006 – STATISTICAL ANALYSIS & RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify research problem; syntesize related theory that support the research; choose appropriate research methodology; write reserch proposal; present the research proposal.

Topics: Quantitative Research; Research Problem; Hypotesis; Research Instrument; Validity and Realibility; Data and Population.

4.3.4 Master of Accounting

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: Analyse and give recommendation for the ethical dilemmas in business and accounting practices; Analyse and give recommendation for corporate governance implementation in the corporate; Prepare the framework of and implement IT Governance in the fully IT dependence entities; Develop IT Governance monitoring system and Evaluate IT Governance implementation in the fully IT dependence entities.

Topics: The Nature of Accounting and the Chief Ethical Difficulty; Ethical Behavior in Accounting: Ethical Theory; Accounting as a Profession: Characteristics of a Profession; The Ethics of Public Accounting, Management Accounting, Tax Accounting; Current cases of Ethical dilemma; Background and Perspectives on Corporate Governance; Internal Governance; External Governance; The Principles of IT Governance; COBIT Framework; IT Scorecard; Evaluating IT Governance.

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.

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.

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.

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 unobstrusive 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.

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.

RSCH8065 – RESEARCH METHODOLOGY IN ACCOUNTING AND BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Comprehend the available research methods and theories for accounting research by using the inter and multi disciplines approaches; Make decision the available research methods and theories to be applied in accounting research by using the inter and multi disciplines approaches; Propose research activities with appropriate method, impacted research and innovative ideas; Prepare a draft of academic paper.

Topics: The selection of research approach; Review the literature; The use of theory; Writing strategies and ethical considerations; Designing research - the introduction; The purpose statement; Research questions and hypotheses; Quantitative methods; Qualitative methods; Mixed methods; Academic writing.

RSCH8067 – THESIS (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: Demonstrate ability to use and implement a data analysis plan consistent with the study purpose and research method.

Topics: Describing data; Probability; Statistical inference; Regression analysis; Writing analytic memos about narrative and visual data; First cycle coding methods; Second cycle coding methods.

4.3.5 Master of Communication Science

COMM8001 – PHILOSOPHY OF COMMUNICATION SCIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate a comprehensive understanding of the core bodies of philosophy of communication knowledge, key conceptual frameworks and current debates of communication issues; Integrate and synthesise the knowledge relevant to communication in philosophical context; Analyse and interpret interdisciplinary connections within and between philosophy and communication critically.

Topics: Philosophy of Communication Introduction; The communication of Substances; Intersubjectivity; Being; Language and Communication; Foundation of communication; Subject and Power; Difference, Subject and Other; Formula of communication; Communication without communication; Community and Incommunicability; Becomig Media.

COMM8002 – ADVANCED THEORY OF COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Applying, and analyzing the communication theories in society, small group and individual level, include to analyze related data and information in the field. And students will be able to understand, applying, and analyzing the organizational communication theories in social life, including industry, corporate, and government.

Topics: Conceptual and Philosophical Foundations: What Is Theory and What is Communication?; Post-Positivist Perspectives on Theory Development; Interpretive Perspectives on Theory Development; Critical Perspectives on Theory Development; Theories of Symbolic Organization; Theories of Message Production; Theories of Discourse and Interaction; Theories of Communication in Developing Relationships; Theories of Communication in Ongoing Relationships; Theories of Organizational Communication; Theories of Small Group Communication; Theories of Media Processing and Effects; Theories of Media and Society; Theories of Culture and Communication; Organizational Communication; Classical, Human Relations and Human Resources Approaches; Systems , Cultural,

and Critical Approaches Socialization, Decision Making, Conflict Management, and Organizational Change and Leadership Processes; Processes of Emotion in the Workplace Organizational Diversity and Technological Processes; The Changing Landscape of Organizations.

COMM8003 – MEDIA RELATIONS STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Make a proposal to build and utilize the medallion effectively and efficiently for the benefit of the institution.

Topics: Introduction of the media industry; Building cooperation with the media; Strategy to utilize the media effectively and efficiently; Steps in building cooperation with the media; Constraints or problems in building communication with the media; The development of media and its impact on human life; Corporations and the media industry in the future.

COMM8004 – CYBER AND DIGITAL MARKETING COMMUNICATION STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the cyber marketing communication comprehensively; Apply new concepts and theories into corporate and or organization need, analyze related data and information, and creating cyber marketing communication strategic program for a corporation; Understand the digital communication strategy comprehensively; Apply new concepts and theories into corporate and or organization need; Analyze related data and information, and creating digital communication strategic program for a corporation or organization.

Topics: Introduction; Market Research; Crowdsourcing and Crowdfunding; Social Capital and Online Behavior; Mobile Development; Email Marketing Communication; Affiliate Marketing Communication; Search Engine Marketing communication; Video Search Engine Optimization; Building Engagement; Social Media in Convergence; Social Media Users and Messages; Social Media Business Model Strategy; Cyber MarComm Performance Measuring and Protecting; Introduction to Digital Communications; The culture of technology; Computer-mediated-communication; Digital research of Behavior online; Online marketplace analysis; Convergence culture; Case Study: eBay Business the smart way; Big Data; Digital strategy development; Integrated Communication in Innovation Process; The Integration of art and design, creativity and professionalism; Business-to-consumer digital campaign; Business-to-business digital campaign; Case Study: Digital Communication Campaign in Asia.

COMM8005 – PUBLIC RELATIONS AND GLOBAL MARKETING COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Marketing Public Relations problem; Publicity, how to use print media, get the most exposure on Radio and Television, Film and Video; Use publications, how to create Special Events, Marketing Public Relations Ethics, digital Marketing Public Relations; How to influence on Marketing Public Relations, and how to manage Confict of Interest and Practitioners; Students are expected to know the development of global marketing communication, including how the strategy and communication steps that must be done to penetrate the competition in the global level, and how to utilize the media for these purposes.

Topics: Marketing Public Relations Definition; How to make Press Kit; Use Print Media; Get the most exposure on Radio & Televisions; Film & Video in MPR; Use Special Publications; Create Special Events; Marketing Public Relations Ethics; Conflict of Interest and Practitioner's Dillema; MPR Consultancy; MPR & Customer Relations; Influence Word of Mouth on MPR; Digital MPR; Understanding global marketing communication; Steps toward global marketing communication;Communication strategy penetrates global competition; Constraints and problems of national industry penetrate global competition;The role of media in global marketing communication; Utilizing the media in penetrating the global competition; The development of media and its impact in global marketing communication.

MGMT8036 – MANAGEMENT OF BUSINESS COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understanding the Management of business communication, analyse marketing communication, with the core concepts of marketing communications management; Covering everything from the importance of an integrated marketing communications, which includes a blend of sales promotion; Advertising management, direct marketing, PR, corporate communications, social media, sponsorship, product placement, and much more; Understand about Integrating offline and online marketing communication.

Topics: The Foundation of Business Communication; Applying the Three-Step Writing Process; Digital, Social and Visual Media; Brief Message; Report and Proposal of Business; Developing and Delivering Business Presentation; Writing in Strategic Marketing Communication; Integrated Marketing Communications and Its Environment; Theoretical Underpinnings of Marketing Communications; Buyer Behaviour and Relationships; Managing the Marketing Communications Mix; The Marketing Communications Industry; Ethics and Corporate Social Responsibility in Marketing Communications; Advertising and Branding;Message Creation and Execution; Traditional Media: Characteristics and Planning, Digital Media: Interaction and Engagement; Sales Promotion, Direct Marketing, Public Relations, Corporate Communications, Sponsorship , and Personal Selling; Marketing Research and Evaluation; International Marketing Communications.

RSCH8061 – RESEARCH METHODOLOGY FOR COMMUNICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify research problem; Syntesize related theory that support the research; choose appropriate research methodology; Write research proposal; and present the research proposal.

Topics: Research Paradigm & Design; Qualitative Approach; Verbal Data; Observation and Mediated Data; Grounding and Writing Qualitative Research; Qualitative Research: Integration and Outlook; Quantitative Research; Research Questions and Hypotheses; Population and Sampling; Validity and Reliability; Measure of Variability; Descriptive and Statistical Tests; Quantitative Content Analysis; Mix Methods Procedures.

RSCH8062 – RESEARCH PROPOSAL (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify research problem; Syntesize related theory that support the research; Choose appropriate research methodology; Write research proposal; Present the research proposal; Compile article of research, research results, and research conclusions for publication, and submit the article to the International journal.

Topics: Quantitative Research; Qualitative Research; Research Problem Statement; Hypothesis; Research Methodology and Instrument; Validity and Realibility; Data and Population; Prepare the International Journal; Methodology of Research; Coaching international journal writing; Techniques of journal writing; Writing research results for articles.

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: Pespectives of Research, theoritical 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.

4.4 Doctor of Computer Science (DCS)

The Doctor of Computer Science (DCS) is a doctoral level programin 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 tocurrent 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 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 produce software development methods by using quality measures that can be applied in the software industry;
2. Able to provide a breakthrough solutions for inter and multidisciplinary issues using innovative inventions and measurable technology approaches in terms of quality solution;
3. Able to contribute in development of computer science in scientific theoretical contributions and product development and engineering in computer science through interdisciplinary and multidisciplinary research that is tested and innovative;
4. Able to conduct research both independently and team in inter and multidisciplinary research in national and international that can be justified, tested, and innovative;
5. Able to contribute in computer science community and Information systems in initiating solutions of national and global issues using technology;
6. Able to develop research road map in a specific area in computer science and Information systems.

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.

Course Structure

SEMESTER 1

Course Name	SCU
RSCH9012 – Research Methodology	3
PHIL9001 – Philosophy of Science	3
Stream : Information Systems & Technology*	
ISYS9019 – Recent Trends in Information Systems	3
ISYS9020 – Advanced 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 – Advance 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 Name	SCU
RSCH9013 – Proposal Dissertation	5
RSCH9014 – Research Colloqium (Seminar)	5
Stream : Information Systems & Technology*	
COMP9021 – Advance Information Technology Governance	3
ISYS9022 – e-Business & e-Government	3
Stream : Computer Science*	
COMP9022 – Advance Softcomputing	3
COMP9023 – Multimedia Computation	3

**) Students will select one out of two subjects*

SEMESTER 3

Course Name	SCU
RSCH9015 – Desertation 1 (Qualification Exam)	2
RSCH9016 – Research Publication 1	2

SEMESTER 4

Course Name	SCU
RSCH9017 – Desertation 2 (Research and Result Examination)	3
RSCH9018 – Research Publication 2	2

SEMESTER 5

Course Name	SCU
RSCH9019 – Desertation 3 (Closed Exam)	4
RSCH9020 – Research Publication 3	2

SEMESTER 6

Course Name	SCU
RSCH9021 – Desertation 3 (Open Exam)	5

4.5 Course Description

4.5.1 Doctor of Computer Science (DCS)

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; Measuring internal product attributes: structure; Measuring cost and effort; Measuring external product attributes:quality; Measuring software reliability; Software test metrics; Object-oriented metrics.

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 Charaterizes 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; Goals and history of IR. The impact of the web on IR; Basic IR Models; 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; Collaborative filtering and content-based recommendation of documents and products; Information Extraction and Integration; Extracting data from text; semantic web; collecting and integrating specialized information on the web.

COMP9020 – ADVANCE 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 controlsystem; Malicious software; Intrusion detection system; Software security; Operating system security; Physical and infrastructure security; Security auditing and evaluation.

COMP9022 – ADVANCE SOFTCOMPUTING (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Develop a research in Inference tasks: Perform a modeled mathematically and solved using appropriate algorithms; Determine appropriate methods and objectives for Statistical learning theory; Write an outline and final manuscript for state-of-the-art learning methodologies paper; Construct the front-matter, introduction, background, and outline of support vector machines, kernel methods; Present and review the results of research with ensemble techniques.

Topics: Inference tasks such as classification, regression, ranking, feature selection, and novelty detection will be modeled mathematically and solved using appropriate algorithms. Statistical learning theory will be used to investigate the generalization capabilities of these approaches. Emphasis will be on state-of-the-art learning methodologies such as support vector machines, kernel methods, and ensemble techniques.

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 (2 hrs); Motivation; Fundamentals of Multimedia Computing; Image, Video and Audio Compression Overview; Content-based Retrieval (6 hrs); Image Retrieval; Video Retrival; Tagging; Multimedia Content Processing (4 hrs); Multimodal Data Fusion; Visual Saliency & Experiential Sampling; Multimedia Summarization (2 hrs); Video Summarization; Multimedia Simplification; Multimedia Data Mining (2 hrs); Probabilitic Concepts; Image/Video Mining; Concept Mining; Multimedia Streaming (2 hrs); Streaming protocols; MPEG-DASH; WebRTC; Multimedia Surveillance (2 hrs); Background Modeling; Object Tracking; Use of Multiple Sensors; Decision-theoretic Methods; Multimedia Security (2 hrs); Watermarking; Forensics; Computational Multimedia Advertisement (2 hrs); Computational Advertisement Framework; Multimedia Analysis for Ad Placemen; Current Issues & Trends (2 hrs).

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; WiFi, UbiComp & Smart Mobs; Networks; The Future of Knowledge Management Systems.

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 (c2); Writing a journal article on certain business issues with appropriate philosophical paradigms as the frame of reference (c3); Analyzing certain phenomena in computer science based on philosophy of science perspectives (c4).

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).

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: What is research and what it means to have a PhD; The application of scientific method and the process of scientific discovery; Basic issues in research methodology and different types of research; Writing and evaluating technical research papers; Developing a research proposal; Writing a PhD Dissertation; Ethical issues in scientific research and professional responsibility.

5. BINUS BUSINESS SCHOOL

BINUS BUSINESS SCHOOL offers three levels of higher education in business and management studies, from undergraduate and master to doctorate degree. The undergraduate program is Bachelor of Management consists of the international programs (located in Joseph Wibowo Center or JWC campus) and the regular programs (located in Kemanggisan, Alam Sutera, and Bekasi campuses). The master program is known as Master of Management is located in JWC and Alam Sutera campuses). The doctoral program is known as Doctor of Research in Management (located in Kemanggisan campus).

BINUS BUSINESS SCHOOL has been nationally recognized as at study program with ICT driven and entrepreneurial ability. 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 program at BINUS BUSINESS SCHOOL have been awarded grade A from national accreditation agency for higher education (BAN-PT) of the Republic of Indonesia. BINUS BUSINESS SCHOOL and curriculum emphasizes in business decision-making, professionalism, entrepreneurial skill and ethics, which applied within small to large businesses both in local and international level. There are 4 School order in BINUS BUSINESS SCHOOL: Undergraduate Program, International Undergraduate Program, Master Program and Doctorate Program.

BINUS BUSINESS SCHOOL Undergraduate Program comprises of quallified academicians who fulfill national regulation requirements and also business practitioners. BINUS BUSINESS SCHOOL Undergraduate Program currently manages various programs within, they are: Business Creation, Business Management, International Business Management, International Marketing and Management.

The philosophy of education BINUS BUSINESS SCHOOL International Undergraduate Program 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 International Undergraduate Program has the freedom to innovate. It means combining the integrity with a creative and results-oriented spirit. BINUS BUSINESS SCHOOL International Undergraduate Program currently manages some programs within, they are: International Business and Business Management and Marketing.

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 Master of Management Program currently manages various programs within, they are: Creative Marketing, Business Management (MM Young Professional), Business Management (MM Professional) and MM Executive.

BINUS BUSINESS SCHOOL Doctorate Program 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 business, marketing science and information system.

Vision and Mission BINUS BUSINESS SCHOOL

Vision

To be Internationally recognised business school in the continuous pursuit of innovation in education.

Mission

We are committed to provide innovative processes 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:		
• Creative Marketing	S2	Magister Manajemen (M.M.)
• MM Young Professional – Business Management	S2	Magister Manajemen (M.M.)
• MM Professional – Business Management	S2	Magister Manajemen (M.M.)
• MM Executive	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

1. **Management Concept**
   Each student should be able to comprehend the discipline of management.
2. **Concept & Skills Integration and Entrepreneurial Mindset**
   Each student should be able to integrate management concept and skills with entrepreneurial mindset.
3. **Ethical, Social & Professional Character**
   Each student should be able to exercise ethical and professional values.
4. **Awareness of ICT**
   Each student should be able to make use of ICT as management tool and business solution.

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.

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 subject examination, thesis examination, and quality controlled courses.

Subject Examination

The examination for each subject 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:
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 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 BBS Undergraduate and International Undergraduate Program

Alphabetical Value	Weight	Final Score of Semester	Description
A	4	90 – 100	High Disctinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Disctinction
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

At BINUS BUSINESS SCHOOL 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:

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

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

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

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 list of PM. For leave or remedial students, they do not require to follow the tutorial, but they 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

BINUS BUSINESS SCHOOL Undergraduate Program has implemented 3+1 curriculum, which allow students to have a one-year enrichment program. The program consists of 2 semesters with 15 until 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; etc. Program specific needs. By the end of each

semester, each student will submit an enrichment report and assessed related to technical competencies in his/ her disciplines and soft skills.

Considering the urgency of enrichment program to achive learning objectives, it affect all courses in enrichment program to become one entity. It means if there is one failed courses in encrichment 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 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, 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 coupe 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 suistainable 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 compehend 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	4	22
	STAT8068	Business Statistics II	2/2	
	MGMT6018	Operational Management	4	
	Stream : Business and Organization			
	MGMT6144	Corporate Governance*	4	
	PSYC6117	Industrial and Organization Psychology**	2	
	MGMT7013	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	

**) 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:

I	: Internship
RS	: Research
ENTR	: Entrepreneurship
CD	: Community Development
SA	: Study Abroad
*etc	: Department specific needs

Notes:

Student can choose one of the available 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	
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)*			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 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 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)

Subject		Credits	Sem	Prerequisite		Credits	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							
MGMT7013	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	Code	Course Name	Minimum 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 knowledge of International Marketing practices in current global business conditions, the future 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 includes 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.

Course Structure

Sem	Code	Course Name	SCU	Total
1	MKTG8122	Marketing Management*	2	20
	LAWS6074	Law in International Business	2	
	MATH6048	Business Mathematics	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
	ECON6037	Microeconomics	2	
	ISYS6181	Management Information Systems for Leader	4	
	MGMT6168	International Human Resources Management*	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	
	ECON6038	Macroeconomics	2	
	FINC6001	Financial Management	4	
	COMP6203	Office for Professional	2	
	MKTG6020	Selling and Sales Management*	2	
	MKTG6127	Retail and Merchandising**	4	
	MKTG8006	Consumer Behaviour	4	
4	CHAR6015	Character Building: Agama	2	22
	MGMT6018	Operational Management	4	
	MGMT6038	Cross Cultural Management	2	
	RSCH6026	Research Methodology	4	
	COMM8006	Business Communication	2	
	MKTG6067	Product Strategy and Project	2	
	ENTR6004	Entrepreneurship II	2	
	MKTG7123	Service Marketing*	4	
5	MKTG6023	International Marketing	2	22
	MKTG6057	Global Brand Management	2	
	MKTG6041	Pricing Strategy and Project	2	
	MKTG6108	E-Marketing**	4	
	MKTG6109	Global Strategic Marketing	4	
	MKTG6021	Customer Relationship Management	2	
	MKTG6124	Integrated Marketing Communication & Project*	2	

Sem	Code	Course Name	SCU	Total
	MKTG6110	Marketing Research	4	
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*

***) 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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		

Notes:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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: *(For students who only take Entrepreneurship track in semester 6 and 7, should take these courses)*			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 Program II: *(For students who only take Entrepreneurship track in semester 7, should take these courses)*			16
ENTR6270	Business Start Up	8	
ENTR6268	Business Model in International Marketing Field and Validation	2	
ENTR6269	Launching New Venture in International Marketing Field	2	
ENTR6271	EES in New Business	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	

The Table of Prerequisite for International Marketing (S1)

Subject		Credits	Smt	Prerequisite		Credits	Smt
FINC6001	Financial Management	4	3	MGMT6011	Introduction to Management and Business	4	1
MGMT6040	Thesis	6	8	MKTG6110	Marketing Research	4	5
MKTG6110	Marketing Research	4	5	STAT8068	Business Statistics II	2/2	2
				RSCH6026	Research Methodology*	4	4
MKTG8006	Consumer Behaviour	4	3	MKTG8122	Marketing Management	2	1

Student can enroll MKTG6110 – Marketing Research subject if already pass STAT8086 - Business Statistic II subject OR RSCH6026 – Research Methodology subject with a minimum grade is C

**) The examination schedule of RSCH6026 will be a priority to be scheduled on the first day, the grade will also be processed as priority.*

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

No	Code	Course Name	Minimum 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.	MGMT6168	International Human Resources Management*	C
6.	ECON6037	Microeconomics	C
7.	MKTG6109	Global Strategic Marketing*	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 pofessional career path in an international company and global market to put you in a high demand career or business as:

1. International Business Analyst
2. International Business Development
3. International Business Relations
4. International Business Credit Analyst
5. Derivatives Trader
6. Export Officer
7. Foreign Exchange Trader
8. Foreign Exchange Officer
9. Global Risk Management Solutions Analyst
10. Import Export Coordinator
11. Market Research
12. International Business Planning
13. International Business Services
14. Government International Development
15. Consultant for Finance and Trade
16. Advisory and Partner Executive
17. International Licensing / Franchising Manager

18. Joint venture Project Manager
19. International Policy Consultant

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	
	MGMT6168	International Human Resources Management*	4	
	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	CHAR6014	Character Building: Kewarganegaraan	2	22
	FINC6001	Financial Management	4	
	BUSS6012	International Business Project I*/**/***	2	
	BUSS7005	International Trade*	4	
	MKTG6023	International Marketing*	2	
	LAWS6074	Law in International Business*	2	
	STAT8067	Business Statistics I	2	
	MGMT6042	Cross Cultural Management*/***	4	
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*

***) 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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available tracks

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			
BUSS6031	Industrial Experience	8	15
BUSS6032	International Business in Industry	2	
BUSS6033	Global Strategy in Industry	2	
BUSS6077	Capacity Building in Industrial Experience	3	

Code	Course Name	SCU	Total
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: *(For students who only take Entrepreneurship track in semester 6, should take these courses)*			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: *(For students who only take Entrepreneurship track in semester 7, should take these courses)*			
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	

Code	Course Name	SCU	Total
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	
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	

Code	Course Name	SCU	Total
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)

Subject		Credits	Smt	Prerequisite		Credits	Smt
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	Code	Course Name	Minimum 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.	MGMT6168	International 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. Student will also meet other potential entrepreneurs like their 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. Global Entrepreneur
4. Business Developer
5. Business Planner
6. 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 Business Idea & Opportunity (Year 1); Business Model & Business Plan (Year 2); Business Creation/Start-Up (Year 3) and Business Development (Year 4). 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 also facilitated by entrepreneurial activities such as Speaking Opportunities; Sharing session; Workshop & Seminar; Entrepreneur Club; Industrial Visit; Y-Camp/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*

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

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

Enrichment Program

Code	Course Name	SCU	Total
EnrichmentProgram I			15
ENTR6021	Business Start Up	8	
ENTR6022	Developing Business Model	2	
ENTR6023	Launching New Venture	2	
ENTR6084	EES in New Business I	3	
EnrichmentProgram 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)

Subject		Credits	Sem	Prerequisite		Credits	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	Code	Course Name	Minimum 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 personnel who are able to adapt, and to innovate, in facing the turmoil and dynamic market well. 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 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	
	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	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	

Sem	Code	Course Name	SCU	Total
4	CHAR6015	Character Building: Agama	2	24
	ENTR6004	Entrepreneurship II	2	
	FINC6001	Financial Management	4	
	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).*

Enrichment Track Scheme

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	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			

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
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:
I : Internship
RS : Research
ENTR : Entrepreneurship
CD : Community Development
SA : Study Abroad
*etc : Department specific needs

Notes:
Student can choose one of the available 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

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	

Code	Course Name	SCU	Total
For students who take Entrepreneurship track in semester 6 and 7, should take these courses:			15
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: *(For students who takes Research track only in semester 6, should take these courses)*			15
RSCH6205	Research Experience	8	
RSCH6176	Scientific Writing in Management	4	
RSCH6177	Global Entrepreneurship and Industrial Business Development	3	
For students who takes Research track in semester 6 and 7, should take these courses:			
Enrichment Program I:			
RSCH6201	Research Experience I	8	
RSCH6172	Scientific Writing in Management I	4	
RSCH6173	Global Entrepreneurship and Industrial Business Development I	3	
Enrichment Program II			16
RSCH6202	Research Experience II	8	
RSCH6174	Scientific Writing in Management II	4	
RSCH6175	Global Entrepreneurship and Industrial Business Development II	4	
Enrichment Program II: *(For students who takes Research track only in semester 7, should take these courses)*			
RSCH6205	Research Experience	8	
RSCH6176	Scientific Writing in Management	4	
RSCH6178	Global Entrepreneurship and Industrial Business Development	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	
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)

Subject		Credits	Smt	Prerequisite		Credits	Smt
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	Code	Course Name	Minimum 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

University Wide Courses

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, 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; 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; Criticismto the Religious Formalism; Conscience; Religion and Secularism; Religious Rituals; Being humble and Forgiving; Being a Religious Person; The Religious Meaning of Work.

ENGL6128 – ENGLISH IN FOCUS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate the upper-beginner-level Academic English listening skills of Basic Comprehension, Pragmatic Understanding, and Connecting Information (a minimum of iBT TOEFL Listening scaled score of 11 of scale 30); Demonstrate the upper-beginner-level Academic English reading skills in Vocabulary & Reference, Sentences, Details, Inferences and Reading to learn (a minimum of iBT TOEFL Reading scaled score of 11 of scale 30); Demonstrate the upper-beginner-level Business English speaking skills in terms of Delivery, Ideas Development and Language (a minimum of BINUS English Speaking scaled score of 11 (with minimum speaking rubric mean score of 1.5) of scale 30); Demonstrate the upper-beginner-level Business English writing skills in terms of Content, Ideas Relationship and Language (a minimum of BINUS English Writing scaled score of 12 (with minimum writing rubric mean score of 1.75) of scale 30).

Topics: Basic Comprehension & Travel; Vocabulary/Reference & Quality; Basic Comprehension & Trade; Pragmatic Understanding & Competition; Vocabulary/Reference, Sentences & organizations; Pragmatic Understanding & brands; Sentences & Change; Connecting Information & advertising; Details & Innovation; Details, Inferences, & advertising; Connecting information, advertising, & innovation; Inferences & ethics; Reading to learn & Planning.

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: 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: Design routine Business Documents (Letters, Emails, Memos, etc); Design creative/persuasive Business Documents (Reports, Proposals, Ads, Leaflets, etc); Demonstrate presentations on a Website (CV, Website, Blog, or Store).

Topics: Business Emails & Online CV Presentation; Course Overview & Basic Grammar; Basic Grammar & Online CV Overview; Business Letters & Online CV Presentation; Composing effective email; Business Report & Online CV Presentation; Business Report & Online CV Presentation – cont.; Advertisements & Online Web Overview; Leaflets & Online Web Presentation; Letters of Complaints and Apology; Business Plans & Online Web Presentation; Business Proposal & Online Web Presentation; Sales Letters.

ENTR6003 – ENTREPRENEURSHIP I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify entrepreneurs personality and innovative business idea; Analyze business model and business model envirotment; Prepare a business and organize the business to be involved in a business exhibition.

Topics: Entrepreneurs and Entrepreneurship; Market Overview & Idea Generation; Business Model and Business Model Canvas; Customer Insight; Develop Ultimate Value Proposition; Get In Touch with Customer (CH & CR); Business' Keys Recognizing (KP, KR, & KA); Financial Aspects of the Business (RS & CS); Product and Service Expo; Evaluating the Business Model; Organizing the Business; Business Model Environment; Final Presentation.

ENTR6004 – ENTREPRENEURSHIP II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Generate the Process nature of entrepreneurship and the management of own project; Categorize the business model and construct the business plan; Assess the business and evaluate the business plan.

Topics: Personalized Your Business Now – Redefining the Business Model; Market Segmentation of the Business; Define the Core of Your Business; Market - Case Study; Mapping the Sales Process; Value Proposition - Case Study; Designing the Business Model; Identify Key Assumptions; Product & Service Expo; Develop Product Plan; Needs/Wants of Customers - Case Study; Product Design - Case Study; Final Presentation.

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 Efektif; Paragraf Akademik; Ragam Bahasa Ilmiah; MenulisIlmiah; Konvensi Naskah Ilmiah; Ulasan Topik.

Core Courses

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; Identify the differences between service and merchandising companies, and also identify the steps in the accounting cycle for merchandising company; Explain the concept and methods relating to cash, accounts receivable, 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; Fraud, Internal Control, and Cash; Accounting for Receivables; Liabilities; Corporations: Organization, Share Transactions, Dividends, and Retained Earnings; Statement of Cash Flows; Financial Statement Analysis.

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.

ECON6005 – MICROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify themes of microeconomics and market; Explain poducers, 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 actor Inputs; GeneralEquilibrium and Economic Efficiency; Investment, time, and caoital markets; Markets with asymentric information; Externalitas and public goods.

ECON6006 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain macroeconomics concepts; Calculate macroeconomic measurements or variables; Combine macroeconomics factors; Analyze macroeconomics situations; Evaluate macroeconomics situations.

Topics: Introduction to Macroeconomics; Goods Market; Financial Markets; IS-LM Model; Labor Market; AD-AS Model; Okun's Law and Phillips Curve; Money Growth; Long Run Economic Growth; Savings, Outputs and Capital; Technology and Economic Growth; Macroeconomics Expectations; Financial Market Expectations; Consumptions Expectations; Investment Expectations; Expectations, Consumptions, and Investment Decision; Goods Markets in

Open Economy; Financial Markets in Open Economy; Monetary Policy in Open Economy; Fiscal Policy in Open Economy.

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: Categorize the elasticity of demand and supply which relates to total revenue; Calculate the profit – maximizing price and output; Analyze the condition for contestable market and the ramifications for market power and the sustainability of long-run profits; 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; Quantitative demand analysis in managerial evaluation for decision making relate to consumer behavior; 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 market; Strategic managing monopoly market; Strategic managing Monopolistic competition markets; Oligopoly model: basic and game theory; Market power in pricing strategies for firms; Evaluation of the economics of information; Evaluation of advanced topics in business strategy.

FINC6001 – FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Financial Management Process; Calculate Financial Performance; Analyze Financial Planning; Apply Asset Management and make capital budgeting decision; Calculate Capital structure and international managerial finance.

Topics: Overview Of Managerial Finance; Overview Of Managerial Finance 2; Financial Statement and analysis 1; Financial Statement and analysis 2; Time Value Of Money 1; Time Value Of Money 2; Risk and Return 1; Risk and Return 2; Interest rates and Bond valuation 1; Interest rates and Bond valuation 2; Stock Valuation 1; Stock Valuation 2; Capital Budgeting Cash flows 1; Capital Budgeting Cash flows 2; Cost Of Capital 1; Cost Of Capital 2; Leverage and Capital Structure 1; Leverage and Capital Structure 2; Dividend Policy 1; Dividend Policy 2; Working Capital Management 1; Working Capital Management 2; Special Topics In Financial Management; Special Topics In Financial Management 2; Overview Of International Managerial Finance, Overview Of International Managerial Finance 2.

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 in the Global business world; Describe the concept of Information Technology Infrastructure; Differentiate various information system application for the digital age; Analyze the methodology for building and managing system.

Topics: Information Systems in Global Business Today; Global E-Business and Collaboration; Information Systems, Organizations, and Strategy; Foundations of Business Intelligence: Databases and Information Management; IT Infrastructure and Emerging Technologies; Ethical and Social Issues in Information Systems; Securing Information Systems; Achieving Operational Excellence and Customer Intimacy: Enterprise Applications; Managing Knowledge; E-Commerce: Digital Markets, Digital Goods; Enhancing Decision Making; Building Information Systems; Managing Projects.

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.

MATH6048 – BUSINESS MATHEMATICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to:Explain the basic concept of mathematics; Apply formula of mathematics concept properly; Analyze the problem of economic and business using formula in basic concept mathematics.

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; Additional Differentiation Topics; Curve Sketching; Multivariable Calculus; Integration; Applications of Integration.

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, making decisions, business environment, economic condition, social resposibilty 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 organisctructure, 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 Organizations; Global Management; Decision Making; Foundations of Planning; Strategic Management, Foundations and Contemporary of Organizational Design; Change and Innovation; The Diverse Workforce; Human Resource Management; Groups and Teams; Communication; Motivation; Leadership; Foundations of Control; Taking risks and Making Within the Dynamic Business Environment; Understanding How Economics Affects Business; Demanding Ethical and Socially Responsible Behavior; How to Form a Business; Entrepreneurship and Starting a Small Business; Production and Operations Management; Marketing: Helping Buyers Buy; Developing and Pricing Goods and Services; Distributing Products; Using Effective Promotions; Financial Management; Using Securities Markets for Financing and Investing Opportunities.

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; Apply 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 and Development; Management and Organization Development; Career Management; Performance Management and Appraisal; Organizational Reward System; Base Wage and Salary System; Incentive Reward; Employee Benefit and Non-Financial Compensation; A Safe and Healthy Work Environment; Internal Employee Relation; Collective Bargaining; HR Separation; 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; Interpret how products and services are managed by Operations Management.

Topics: Introduction to Operations Management; The Global Environment and Operations Strategy; Product Design; Quality Management and Statistical Process Control; Process Design and Capacity Planning; Capacity Planning; Location Decision; Layout Decisions; Managing the Supply Chain; Managing Inventory; Aggregate Scheduling; Material Requirements Planning (MRP) and ERP; Scheduling for the short Term; JIT and Lean Operations; Maintenance and Reliability Decisions.

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.

MGMT6042 – CROSS CULTURAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concept of Culture and Management; Apply the concept of Culture and Organizations; Analyze the concept of Culture and Communication.

Topics: Determinants of Culture; Dimensions of Culture in Business; Business Cultures in the Western World; Business cultures in Asia, Africa and Middle East; Cultural Dimensions and Dilemmas; Culture and Styles of Management; Culture and Corporate Structures; Culture and Leadership; Culture and Corporate Strategy; Cultural Change in Organizations; Barries to Intercultural Communication; Negotiating Internationally; Conflict and Cultural Differences.

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-misssion 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 Matriks 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.

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.

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.

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: Data and Statistics; Descriptive Statistics; Tabular and Graphical Presentations; Descriptive Statistics: Numerical Measures; Interval Estimation; Hypothesis Tests; Tests of Goodness of Fit and Independence.

STAT8068 – BUSINESS STATISTICS II (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the concept of statistic; Apply statistical concept properly; Solve economic and business problems.

Topics: Basic Multiple Regression Analysis; Analysis of Variance; Review for Mid Exam and Quiz; Chi Square Analysis; Analyzing Data using Nonparametric; Review for Final Exam and Quiz.

Management

BUSS6066 – BUSINESS ETHICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate understanding of the definition of ethics and the importance and role ethical behavior serves in the business world today; Identify various ethical issues that occur in the workplace; Identify the moral obligations of businesses to the environment and specifically global competitors and global stakeholders; Comprehensively analyze in professional business caliber writing real-world business firm's activities regarding ethical and social responsibility via written case study analyses.

Topics: Introduction to Business Ethics; Stakeholder Management; Social Responsibility; Emerging Business Ethics Issues; Emerging Business Ethics Issues; The Institutionalization of Business Ethics; Ethical Decision-Making and Ethical Leadership; Individual Factors: Moral Philosophies and Values; Organizational Ethics: The Role of Ethical Culture and Relationships; Developing an Effective Ethics Program; Managing and Controlling Ethics Programs; Global Business Ethics; Globalization of Ethical Decision-Making.

BUSS6068 – MANAGING INNOVATION AND KNOWLEDGE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: An understanding of the theories and concepts of knowledge management and innovation management; Ability to apply analytical tools and to assess their usefulness; Analyze knowledge processes within an organization in terms of organizational performanceand development. This will involve the study of organizational characteristics, structure,culture, communication, innovation and technology; Skillfulness in carrying out a small empirical project on a specific innovation; Aptitude in drawing on course reading for the analysis of specific innovations.

Topics: A conceptual introduction to innovation economy, KM, strategic management and KIM; Knowledge and innovation in organizations; Innovation types and strategy; Fundamental Concepts and Theories in Knowledge Management; Innovation as a strategic process; Strategic Management of Innovation Process; Designing innovation management; Designing Knowledge Management; Strategic stakeholder management of innovation; Managerial Impact of Knowledge Management; Strategies for product, service, process and organization innovation; Strategic management of technological innovation; Strategic for promoting, sustaining and diffusing innovation.

BUSS6069 – BUSINESS SIMULATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Appreciate the interaction between different business areas; Understand the importance of big picture assessment as well as detailed analysis; Apply frameworks learned in several topics (Marketing, Strategy, Finance, Supply Chain, HR, and Accounting) to

analyze a realistic business situation; Enhance team-working skills, and in particular how to share the load and to draw on different expertise.

Topics: Basic simulation modeling; Modeling Complex Systems; Simulation Software; Review of Basic Probability and Statistics; Building Valid, Credible, and Appropriately Detailed Simulation Models; Selecting Input Probability Distributions; Random-Number Generators; Generating Random Variates; Output Data Analysis for a Single System; Comparing Alternative System Configurations; Variance-Reduction Techniques; Experimental Design and Optimization; Simulation of Manufacturing Systems.

BUSS6070 – BUSINESS NEGOTIATION STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss and use negotiation theory relevant to planning and carrying out negotiations; explain choices among negotiation strategies and when it is most appropriate to use each; Analyze the role of power in negotiation process; work with the implications of being involved in constituency-based negotiations; Display improved skills in research, critical analysis, self-reflection and problem solving; Show evidence of improved verbal and written communication skills, including persuasion; Display improved skills in teamwork, and undertake a negotiation as part of a team.

Topics: The nature of negotiation; Strategy and Tactics of Distributive Bargaining. Part 1; Strategy and Tactics of Distributive Bargaining. Part 2; Strategy and Tactics of Integrative Negotiation; Negotiation: Strategy and Planning; Ethics in Negotiation; Negotiation Script; Perception, Cognition and Emotion; Communication; Finding And Using Negotiation Power; Influence; Relationships in Negotiation; Agents, Constituencies, Audiences; Coalitions; Multiple Parties, Groups and Teams in Negotiation; Individual Differences 1: Gender and Negotiation; Individual Differences 2: Personality and Abilities; International and Cross-Cultural Negotiation; Managing Negotiation Impasses; Managing Difficult Negotiations; Third-Party Approaches to Managing Difficult Negotiations; Negotiation Skills; Building Bridges; Light Bulb Moments: Exploring for options; Becoming an effective negotiator; Best Practices in Negotiations.

BUSS6071 – ORGANIZATION DEVELOPMENT STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concepts of organization, organization development, organizational diagnosis and changing organization; Analyze the cases selected correctly; Choose the suitable concepts of organization, changing organization to solve case selected; Propose business plan and the showcased potential business plan.

Topics: What Is Organization Development?; Values, Assumptions and Beliefs in Organization Development; Action Research; Understanding Organizations; Organizational Diagnosis; Intervention; Management of Organization Change; Power, Politics and Ethics in Organization Development; Quality of Work Life (QWL); Organization Culture And Climate; Organization Development and the Future.

BUSS6109 – BUSINESS DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concepts of Enterprise thinking, Visionary leadership, Strategic thinking, Product and technological innovation; Identify the principles, strategies, methods, and practices of SBD; Apply the principles, strategies, methods, and practices of SBD in business that match to organizations' need.

Topics: Sustainable business development (SBD); Enterprise thinking and the strategic logic of strategic business development; Crafting sustainable business strategies and solutions; The driving forces of social-, economic-, and environmental-related change; The driving forces of markets and stakeholders' connectedness; Crafting a sustainable enterprise through leadership and capabilities; Sustainable technology management and development; Crafting and implementing sustainable business development programs; Life cycle thinking and framework; Formulation of life

cycle assessment: initiation and inventory assessment; Implementation of life cycle assessment: impact and improvement assessments; Inventing the future through enterprise thinking and sustainable business development.

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

COMP6405 – WEBSITE DESIGN (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to:Identify the business model, business process and propose a project for a company; Explain the concept of The World Wide Web, The Website page, HTML5 and business environment; Design an attractive website and the opportunity for potential business project; Create dynamic website in an attractive way and the proposed potential business project; Apply the usage of multimedia so it can be viewed by the internet browser.

Topics: Introduction to Internet, Web Site Page Basic and First HTML Page; Creating First HTML Page; Web Page Structural Basics; Introduction To HTML5 ; Cascading Style Sheets Basics; Text Formating& Hyperlink; Web Graphics Styling Basics (part 1); Web Graphics Styling Basics (part 2); Cascading Style Sheets 3; Working in canvas; Creating Forms; Project Collection.

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: Understandingand 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: Understandingand 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.

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.

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 cost, investments, benefits and dis-benefits; Calculate ICT cashflows; 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.

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 Definiton 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.

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 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.

LAWS6074 – LAW IN INTERNATIONAL BUSINESS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe perspectives and cases in business law world; Explain the theories and issues in global business law; Analyze cause and impact of International business law situations.

Topics: Introduction to International and Comparative Law; State Responsibility and Environmental Law; Dispute Settlement; The Multinational Enterprise; Foreign Investment; Money and Banking; Trade in Goods; Services and Labor; Intellectual Property; Sales; Transportation; Financing; Indonesian Legal Environment.

MGMT6017 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Obtain experiences to solve the problems that appear in international trade, entrepreneurship, and e-business by using appropriate methodology and then create a scientific writing based on those experiences.

Topics: International trade; Entrepreneurship and e-business.

MGMT6029 – KNOWLEDGE MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define Knowledge Management and other related terms; Explain factors needed in designing Knowledge Management; Relate Knowledge Management to organization strategy; Design Knowledge Management implementation in organization.

Topics: Introduction to Knowledge Management; The Nature of Knowledge and Its Aspects; Intellectual Capital; Strategic Management Perspectives; Creating Competitive Advantage with Knowledge Management; Organization Learning; KM in Products Industries: Case Study; The Learning Organization; Knowledge Management Tools; Knowledge Management Systems; KM in Services Industries: Case Study; Enabling Knowledge Contexts and Networks; Implementing 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.

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.

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; Relate compensation strategy.

Topics: The Pay Model; Strategy: The Totality of Decisions; Defining Internal Alignment; Case: Merrill Lynch; Job Analysis; Job-based Structures and Job Evaluation; Person-Based Structures; Case: Climb the Legal Ladder; Defining Competitiveness; Designing Pay Level, Mix, and Pay Structures; Case: Google Evolving Pay Strategy; Pay-for-Performance: The Evidence; Pay-for-Performance Plans; Performance Appraisals; Case: Performance Appraisal at

Burger King; The Benefits determination Process; Benefit Options; Case: Adapting Benefits to a Changing Strategy; Compensation of Special Groups; Union Role in Wage and Salary Administration; International Pay System; Case: IBM's Worldwide Business and Employment Strategies and Compensation; Government and Legal Issues in Compensation; Management: Making It Work; Case: Communication by Copier; Case: Managing Compensation Costs, Headcount, and Participation/Communication Issues.

MGMT6124 – INDUSTRIALEXPERIENCE (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.

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: Explain the principles of corporate governance; Illustrate the policies of corporate governance; Sketch the practices of corporate governance.

Topics: Corporate Governance: A Subject Whose Time Has Come; Governance and Management; Theories and Philosophies of Corporate Governance; The Governance Partnership: Investors, Companies, and Directors; Models of Corporate Governance; Functions of the Board; The Governance of Corporate Risk; Corporate Social Responsibility and Sustainability; The Governance of private Companies and Other Corporate Entities; Board Membership: Directors' Appointment, Roles, and Remuneration; Board Leadership: The Reality of the Boardroom; Board Activities: Corporate Governance in Practice; Board Effectiveness: Building Better Boards.

MGMT6196 – PROJECT MANAGEMENT (4 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; Analyzing the results of the calculation of project management to solve the problems of economics and business.

Topics: Project in Contemporary Organizations; 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; Schedulling; Resource Allocation; Monitoring and Information Systems; Project Auditing; Project Control; Project 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.

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: Define the world of retailing; Describe the international retailing strategy; Explain the concept of merchandise management and store management.

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.

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; Measure human resources value added; Analyze the human capital contribution; Analyze human capital measurement.

Topics: Leadership is Everyone's Business; Leadership Involves an Interaction Between The Leader, The Follower, and The Situation; Leadership is Developed Through Education and Experience; Assessing Leadership and Measuring Its Effects; Power and Influence; Leadership and Value; Leadership Traits; Human Leverage; How to Measure Human Capital's Contribution to Enterprise Goals; How to Measure Human Capital's Impact on Process; How to Measure Human Resources' Value Added; Human Capital Analytics: The Leading Edge of Measurement; How to measure and value improvement initiative results; Outsourcing: A New Operating Model.

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 E-Marketing; Create the strategy to make a proper promotional strategy using Internet; Describe conceptual foundation of customer relationship management (CRM); Explain strategic customer relationship management (CRM); Propose business plan and the showcased potential business plan.

Topics: Customer Analytics (part II); E-Marketing in Context: Past, Present and Future and Strategic E-Marketing; Performance Metrics and The Marketing Plan; Business Plan Preparation; A World of E-Marketing Opportunities; Ethical and Legal Issues; Financial Aspect of Business; E-Marketing Research; Consumer Behavior Online; Develop a

Business Plan; Segmentation and Targeting Strategies; Differentiation and Positioning Strategies; Strategic future Plan; Product: The Online Offer & Pricing: The Online Value; The Internet for Distribution; Your Business ones; E-Marketing Communication Tools (IMC); New Digital Media & Branding Goals in Digital and Physical Media; Business Plan Evaluation; Customer Relationship Management; Strategic Customer Relationship Management Today; Relationship Marketing and the Concept of Customer Value; Strategic CRM; Implementing the CRM Strategy; Customer Analytics (part I); 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.

MKTG6165 – MARKET RESEARCH (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the roles of market research and determine the research design and research process; Ability to develop research tools for data collection and data analysis; Ability to analyze data using qualitative and quantitative approach; Ability to interpret the result of market research to support management in business decision making.

Topics: Introduction; Market Research Design; Desk Research; Focus Group; Depth Interviewing; Observation; Sampling and Statistic; Questionnaire Design; Face to Face Interviewing; Telephone Interviewing; E-Surveys; Data Analysis; Reporting.

PSYC6117 – INDUSTRIAL AND ORGANIZATION PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain methods, facts, and principles; Construct the concept and basic research in organizational settings; Define the key factors in affecting employees wellbeing.

Topics: principles, practices, problems; techniques, tools, and tactics; employee selection principles and techniques; psychological testing; performance appraisal; training and development; leadership, motivation, job satisfaction and job involvement; the organization of the organization; working conditions; employee safety and health issues; stress in the workplace; engineering psychology; consumer psychology.

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; Scientific Investigation; The Research Process: The Broad Problem Area and Defining The Problem Statement; Analyzing The Final Project I; The Research Process: The Theoretical Framework and Hypothesis Development; Analyzing The Final Project II; The Research Process: Element of Research Design; Measurement of Variables: Operational Definition and Scaling; Data Collection Methods and Sampling; Analyzing The Final Project III; Discuss about The Result of Analyzing The Final Project; Quantitative Data Analysis; Qualitative Data Analysis; The Research Report.

International Marketing

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.

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.

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.

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.

ENTR6271 – EES 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.

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.

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.

MKTG6020 – SELLING AND SALES MANAGEMENT (2 Credits)

Learning Outcomes: On succesfull completion of this course, student will be able to: Identify the sales strategic and how to development selling in marketing; Describe consumer buyer behaviour, sales setting, international selling and personal selling skills; Design key account management and IT applications in selling and sales management; Measure sales forecasting, budgeting and sales evaluation.

Topics: Development and role of selling in marketing 1; Sales Strategies; Consumer and Organizational Buyer Behaviour; Sales Setting; International Selling; Sales Responsibilities and Personal Selling Skills; Key Account Management; Relationship Selling; Internet and IT Applications in Selling and Sales Management; Recruitment,

Selection, Motivation and Training; Organization and Compensation; Sales Forecasting and Budgeting; Sales Force Evaluation.

MKTG6021 – CUSTOMER RELATIONSHIP MANAGEMENT (2 Credits)

Learning Outcomes: On succesfull 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 succesfull completion of this course, student will be able to: Identify the Opportunity and Risk in the international market; Explain the culture, legal, regulatory and political environment; Design strategies required in dealing with foreign markets including the use of IT and communication technology; Prepare product launching that interact international consumers to buy and refer it to others.

Topics: Introduction to Global Marketing; The Global Economic Environment; The Global Trade Environment; Social & Culture Environments; The Global Political, Legal & Regulation; Global Information Systems & Market Research; Segmenting, Targeting & Positioning; Importing, Exporting & Sourcing; Global Market Entry Strategies: Licensing, Investment, and Strategic Alliance; Brand & Product Decision in Global Marketing; Pricing Decisions; Global Marketing Channels & Physical Distributions; Global Marketing Communications Decisions 1&2.

MKTG6041 – PRICING STRATEGY AND PROJECT (2 Credits)

Learning Outcomes: On succesfull completion of this course, student will be able to: Define the Strategic Pricing and Srategic Pricing Pyramid; Define the role of cost and financial analysis; Analyze competition and Price Sensitivity; Apply Pricing Strategy.

Topics: Strategic Pricing; Value Creation; Price Structure; Price and Value Communication; Pricing Policy; Price Level; Develop Pricing Strategy 1; Pricing Over the Product Life Cycle; Ethics and The Law; Cost; Financial Analysis; Competition and Price Sensitive Measurement; Develop Pricing Strategy 2.

MKTG6057 – GLOBAL BRAND MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze Identifying and Establishing Brand Positioning and Values; Design Planning and Implementing Brand Marketing Programs; Interpret Measuring and Interpreting Brand Performance; Evaluate the growing and sustaining Brand Equity.

Topics: Brands and Brand Management; Customer-Based Brand Equity And Brand Positioning; Brand Resonance And Brand Value Chain; Choosing Brand Elements And Designing Marketing Program to Build Brand Equity; Integrating Marketing Communications to Build Brand Equity; Leveraging Secondary Brand Associations to Build Brand Equity; Developing a Brand Equity Measurement and Management System; Measuring Sources of Brand Equity: Capturing Customer Mind-Set; Closing Perspectives; Measuring Outcomes of Brand Equity: Capturing Market Performance; Designing and Implementing Branding Strategies; Introducing and Naming New Products and Brand Extensions; Managing Brands over Time And Over Geographic Boundaries and Market Segments.

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.

MKTG6067 – PRODUCT STRATEGY AND PROJECT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the basic fundamental of product strategy; Explain the product strategy process; Apply the product strategy process.

Topics: Product Management and Product Marketing Management; Aligning ProdBOK with Other Existing Processes; Product Management's Relationship with Other Disciplines; Product Management Lifecycle Framework; The Fundamentals; The Conceive Phase; The Plan Phase; The Develop Phase; The Qualify Phase; The Launch Phase; The Deliver Phase; The Retire Phase; Final Project Reporting.

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– EMPLOYABILITYAND 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.

MKTG6108 – E-MARKETING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the development of E-Marketing; Describe the E-Marketing Environment; Construct the E-Marketing Strategy; Apply the E-Marketing Management.

Topics: Strategic E-Marketing and Performance Metric; The E-Marketing Plan; E-Marketing Environment; E-Marketing Research and Consumer Behavior Online; E-Marketing Segmentation, Targeting, Differentiation, and Positioning Strategies.

MKTG6109 – GLOBAL STRATEGIC MARKETING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of strategic; Analyze the global market and competition environment; Design the global market-driven strategies; Apply the global market-driven program development.

Topics: Strategic Marketing; Markets and Competitive Space; Strategic Market Segmentation; Market Targeting and Strategic Positioning; Strategic Relationships.

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 activities; Analyze the marketing research result in order to help in marketing decision making.

Topics: Introduction to Marketing Research; Defining the Marketing Research Problem and Developing An Approach; Research Design; Secondary Data and Qualitative Research; Survey and Observation; Experimentation; Measurement and Scaling; Questionnaire and Form Design; Sampling; Data Collection and Data Preparation; Data Analysis: Hypothesis Testing Related to Differences and Correlation-Regression; Data Analysis: Multivariate Data Analysis; Report Preparation and Presentation.

MKTG6124 – INTEGRATED MARKETING COMMUNICATION & PROJECT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the importance marketing communication in business, the concept of integrated marketing communication, marketing communication psychology, the role of media in marketing communication; Apply e-media, marketing communication ethics, image and brand management, audience relationship management, Analyse the marketing communication environment, international context of marketing communication, regulation and legal control; Create the concept of IMC Mix in a new business.

Topics: What is integrated marketing communication? Creating shared meaning in marketing communications; marketing communication psychology; media-the carriers of the message; E-media; The changing marketing communications environment; the international context of marketing communications; Regulation and legal controls; Marketing communication ethics; Image and brand management; Customer/audience relationship management; Managing Integrated Marketing Communication; The Integrated Marketing Communication Mix : PR, Sponsorship, Advertising, Direct marketing communications, Sales promotion-merchandising and point of sale; Packaging, Exhibition and trade shows, Personal Selling and sales management.

MKTG6127 – RETAIL AND MERCHANDISING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the World of Retailing; Analyze the Retailing Strategy; Apply the Concept of Merchandise Management and Store Management; Define the business model and explain the defined business model.

Topics: Introduction to The World of Retailing;Market Segment – Persona; Types of Retailers and Multichannel Retailing & Customer Buying Behavior; Ideation; Retail Market Strategy & Retail Locations; Visual Thinking; Information System and Supply Chain Management & Customer Relationship Management; Prototyping; Managing The Merchandise Planning Process & Buying Merchandise and Retail Pricing; Story-telling; Retail Communication Mix & Managing The Store; Scenarios in Business; Store Layout, Design, and Visual Merchandising & Customer Service.

MKTG7123 – SERVICE MARKETING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concept of service markets; Apply the 7Ps of marketing to services; Explain the profitable service strategies.

Topics: Introduction to Service Marketing; Consumer Behavior in a Service Context; Positioning Services in Competitive Markets; Developing Service Products Core and Supplementary Elements; Distributing Services Through Physical and Electronic Channels; Setting Prices and Implementing Revenue Management; Promoting Services and Educating Customer; Designing and Managing Service Processes; Balancing Demand and Capacity; Crafting the Service Environment; Managing People for Service Advantage; Managing Relationships, Building Loyalty and Complaint Handling; Improving Service Quality, Productivity and Organizing for Change Service Leadership.

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.

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 Cerdits)

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.

International Business Management

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: Where's the world going?; Where are you going?; Country: Pick the Right One; Case study :Country: Pick the right one; Customer: How they differ; Case study: Customer: How they differ; Country Attractiveness; Competitors: A different market; Case study: Competitors: A different market; Export Expansion; Capabilities: What you need to win; Case study: Capabilities: What you need to win; Capability Gap: How to close it; Case study: Capability Gap: How to close it; Resource the strategy; Case study: Resource the strategy; Licensing, Strategic Alliances, FDI; Case study: Licensing, Strategic Alliances, FDI; Bridge the cultural gap; Case study: Bridge the cultural gap; Overcoming barriers to entry; Internationalization; Overcoming competition; International Expansion.

BUSS6012 – INTERNATIONAL BUSINESS PROJECT I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concepts and environment of international business project; Analyze the markets and customers demand through Information Communication Technology (ICT) implementation in international business project; Develop products and/or services through systematic planning, design, control, accountability, marketing and sales mechanism in international business project with virtuous leadership skill in international business project; Evaluate Evaluate risk, quality, and sustainability of international business project; Propose the potential showcase business project.

Topics: An Overview of International Business Project; Business Model Environment; Customer Insight & Market Analysis; Communication and Information Technology in International Business Project; Product & Services Development; Planning in International Business Project; Design Process; Cost, Buget, and Procurement Management of International Business Project; Prototyping Product; Organization and Leadership in International Business Project; Marketing and Sales in International Business Project; Risk and Quality of International Business Project; Evaluation.

BUSS6013 – INTERNATIONAL BUSINESS PROJECT II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze 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.

Topics: Strategy, Value-Chains and Competitive Advantage; Understanding The Enterprise; Process Architecture and Organizational Alignment; Process Management; Understanding and Scoping Process Problems; Measuring and Modelling Process Performance; An Executive Level BPM Group; Task Analysis, Knowledge Workers and Business Rules; Managing and Measuring Business Process; Process Improvement with Six Sigma; 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.

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.

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 Clearence of Import and Export Cargo; Logistic and Characteristic of Modes of Transportation; Characteristic of Shipping Indusrty; 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: Isolated sales transactions; Exporting: Ongoing sales transactions; Exporting: Export distributors and sales agents agreements; Exporting: Other export documentation; Export controls and licences; Importing: Preliminary considerations; Lecture by Guest Lecturer (Business Contract); Importing: Isolated purchase documentation; Importing: Ongoing purchase transactions; Importing: 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.

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.

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).

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 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 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 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 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).

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.

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.

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.

MGMT6044 – THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Solve the problems that appear in international trade, entrepreneurship, and e-business by using appropriate methodology and then create a scientific writing based on those experiences.

Topics: International trade, entrepreneurship and e-business.

MGMT6168 – INTERNATIONAL HUMAN RESOURCES MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the basic concept of International Human Resource Management; Illustrate The Internationalization of Human Resource function; Analyze International Human Resource functions that match to Multinational National Enterprise need

Topics: The Internationalization of Human Resources Management; The Cultural Environment; Strategic International Human Resources Management; IHRM strategies and MNE Business Strategies; The Cultural Context of IHRM; The Globe Study; The Organizational Context; The path to Global Status; IHRM in Cross Border Mergers & Acquisition, International Alliances; International SMEs; Sourcing Human Resources for Global Market; Recruitment and Selection of International Managers; International Performance Management; Performance Management of International Employees; International Compensation; Approaches to International Compensation of expatriates; International Training, Development and Careers; Developing Staff through International assignment; International Employment Law; The Global Legal and Regulatory context of MNE; Comparative IHRM : Operating in Other Regions and Countries; Comparative IHRM: HRM issues in Latin America and the Caribbean; Well-Being of the International workforce and International HRIS; Global HR Support Services and Information System; International Industrial Relations and the Global Context; IHRM Trends and future challenges.

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: Supply Chain Management: An overview; Global Dimension of supply chain; Role Of Logistic in Supply Chain; Supply Chain Relationships; Supply Chain Performance measurement and financial analysis; Operations: Producing Goods and Services; Order management and customer service; Supply Chain technology - Managing information Flow; Distribution - managing fulfilment operations; Demand Management; Transportation - Managing in the flow of the supply chain; Sourcing materials and services; Supply chain network analysis and design; Supply Chain Sustainability; Strategic challenges and charge for supply chains.

RSCH6338 – RESEARCH DESIGN (8 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?.

RSCH6339 – CAPACITY BUILDING IN RESEARCH (3 Credits)

Learning outcomes: On successful completion of this course, students will obtain research experience to implementing3 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.

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.

Business Creation

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.

BUSS6051 – DESIGN THINKING IN BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the design thinking process; Explain the importance of design thinking in business and strategy; Apply design thinking in a new business concept, product concept and the business model**.**

Topics: There's No More Business As Usual; Introduction to Design Thinking; What Is Design Thinking, Really?; Getting Under Your Skin- How Design Thinking Is About More Than Style; The Role of Research in Design Thinking; Designing a Business Strategy; Applied Design Thinking in Business and Strategy; Designing Life Customer Experiences; Designing Digital Customer Experiences; Designing Services and Service Delivery; The 10 Design Thinking Principles; Designing Marketing; Business Challenge; Designing for Change; Designing for Growth; Design Thinking Meets the Corporation.

COMM6128 – 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.

ECON6014 – MICROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, student 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 Behaviour; 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 actor Inputs; General Equilibrium and Economic Efficiency; Investment, time, and caoital markets; Markets with asymentric information; Externalitas and public goods.

ECON6015 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain macroeconomics concepts; Calculate macroeconomic measurements or variables; Combine macroeconomics factors; Analyze macroeconomics situations; Evaluate macroeconomics situations.

Topics: Introduction to Macroeconomics; Goods Market; Financial Markets; IS-LM Model; Labor Market; AD-AS Model; Okun's Law and Phillips Curve; Money Growth; Long Run Economic Growth; Savings, Outputs and Capital; Technology and Economic Growth; Macroeconomics Expectations; Financial Market Expectations; Consumptions Expectations; Investment Expectations; Expectations, Consumptions, and Investment Decision; Goods Markets in Open Economy; Financial Markets in Open Economy; Monetary Policy in Open Economy; Fiscal Policy in Open Economy.

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 performanca 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.

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: Decision to become Entrepreneur; 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 market and industry, business risk, competition, financing, legal aspect. Formulate the business idea to compete in business idea pitch competition.

Topics: Who is the Entrepreneur?; The Right Words to say; What's the Idea?; Thinking about the Market; Intellectual Property and Licensing; Risk; Building a Business Plan; The Founding Team; Building Boards; Employees and Other People Resources; The Competition; Financing; The Law; Nonprofits and Social Entrepreneurship; Everything Is

Negotiable; On Sales and Selling; Communication; Leader Decide; Accounting and Money Management; Correcting Your Course; Growing; Liquidity Events.

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.

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: Explainthe 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: Explain the concept of the strategy; Apply the concept of developing the strategy; Analyze the implementation of the strategy.

Topics: Making strategic decisions; What is business strategy?; The different views of strategy; What strategic thinking can achieve; Resources and strategy; Strategies for growth; Developing a business strategy and thinking strategically; Vision; Implementing the business strategy; Strategic innovation; Competitiveness and customer focus; Sales, marketing and brand management; Managing knowledge and information.

ENTR6026 – MANAGING GROWING BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain revenue growth habit techniques; Summarise innovators toolkit techniques; Analyse case studies using innovators toolkit; Asses techniques of innovators toolkit in case studies.

Topics: Revenue Growth Habit; Revenue Growth Habit - 22 Growth Technique 1; Revenue Growth Habit - 22 Growth Technique 2; Innovators Toolkit - Define the Opportunity 1; Innovators Toolkit - Define the Opportunity 2; Innovators Toolkit - Define the Opportunity 3; Innovators Toolkit - Discover the Ideas 1; Innovators Toolkit - Discover the Ideas 2; Innovators Toolkit - Discover the Ideas 3; Innovators Toolkit - Develop the Designs 1; Innovators Toolkit - Demonstrate the Innovation 1; Innovators Toolkit - Demonstrate the Innovation 2; Innovators Toolkit - Develop the Designs 2.

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.

ENTR6032 – THESIS – BUSINESS STARTUP REPORT (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply their knowledge and skills, which have been learned in the form of business research.

Topics: Industry Analysis; Company Description; Market Analysis; The Economic of the Business; Business Model; Marketing Performance; Design and Development; Operation Performance; Management Team and Company Structure; Financial Performance; Business Plan.

ENTR6033 – BUSINESS PLAN (4/4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the objective of a business plan; Construct the components of the business plan; Examine the analysis of the business plan; Manage team in developing a company structure; Construct a creative and marketable business plan.

Topics: Why Write a Business Plan?;Developing and Screening Business Idea; The Litmus Test of a Plan; Introductory Material, Executive Summary and Description of The Business; Industry Analysis; Market Analysis; Marketing Plan; Management and Organizational Structure; Operations Plan and Product Development; 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.

FINC6043 – FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes:On successful completion of this course, student will be able to: Describe Financial Management Process, Calculate Financial Performance, Analyze Financial Planning, Apply Asset Management and make capital budgeting decision, Calculate Capital structure and international managerial finance.

Topics: Overview Of Managerial Finance, Overview Of Managerial Finance 2, Financial Statement and analysis 1, Financial Statement and analysis 2, Time Value Of Money 1, Time Value Of Money 2, Risk and Return 1, Risk and Return 2, Interest rates and Bond valuation 1, Interest rates and Bond valuation 2, Stock Valuation 1, Stock Valuation 2, Capital Budgeting Cashflows 1, Capital Budgeting Cashflows 2, Cost Of Capital 1, Cost Of Capital 2, Leverage and Capital Structure 1, Leverage and Capital Structure 2, Dividend Policy 1, Dividend Policy 2, Working Capital Management 1, Working Capital Management 2, Special Topics In Financial Management, Special Topics In Financial Management 2, Overview Of International Managerial Finance, Overview Of International Managerial Finance 2.

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 marketig 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.

MGMT6069 – HUMANRESOURCES 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.

MGMT6070 – OPERATIONALMANAGEMENT (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; Interpret how products and services are managed by Operations Management.

Topics: Introduction to Operations Management; The Global Environment and Operations Strategy; Product Design; Quality Management and Statistical Process Control; Process Design and Capacity Planning; Capacity Planning; Location Decision; Layout Decisions; Managing the Supply Chain; Managing Inventory; Aggregate Scheduling; Material Requirements Planning (MRP) and ERP; Scheduling for the short Term; JIT and Lean Operations; Maintenance and Reliability Decisions.

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; Construct the customer-driven strategy and marketing mix; Explain extended marketing issues.

Topics: Marketing: Creating and Capturing Customer Value; Partnering to Build Customer Relationships; Analyzing the Marketing Environment; Managing Marketing Information to Gain Customer Insights; Consumer Markets and Consumer Buyer Behaviour; Business Market and Business Buyer Behaviour; Customer-Driven Marketing Strategy; Product, Services, and Brands: Building Customer Value; New Product Development and Product Life-Cycle Strategies; Pricing: Understanding and Capturing Customer Value; Pricing Strategies; Marketing Channels: Delivering Customer Value; Retailing and Wholesaling; Communicating Customer Value: IMC Strategy; Advertising and Public Relations; Personal Selling and Sales Promotion; Direct and Online Marketing; Creating Competitive Advantage; The Global Marketplace; Sustainable Marketing: Social Responsibility and Ethics.

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.

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 successfulcompletion of this course, students will be able to: Identify and explain the concept of statistic; Apply the statistical concept properly; Analyze the statistical methods to solve economic and business problems.

Topics: Estimating Parameters for Single populations; Testing Hypotheses about Single population parameters; Analyzing the Differences in Two Populations; Analysis of Variance; Analysis of Categorical Design; Basic Multiple Regression Analysis; Analyzing Data using Nonparametric.

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 in business, the DNA of Service Excellence. Demonstrate the knowledge of customer service techniques in dealing with the public. Apply the concept of customer service and service delivery system. Create the concept of service excellence in a new business.

Topics: The DNA of Service Excellence; The Leadership Actions; The Service Improvement Team; Developing the Service Improvement Core Tools; Communication; Training and Education; Measurement; Recognition; Service Obstacle System; Accountability.

Business Management

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.

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.

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.

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: This course will covers topics such as The Service Profit Logic and Service Management Principles; Service and Relationship Quality; Quality Management in Services; Return on Service and Relationships; Managing the Augmented Service Offering; Managing Productivity in Service Organizations; Managing Marketing or Customer-Focused Management; Managing Integrated Marketing Communication and Relationship Communication; Managing

Brand Relationships and Image; The Role of Social Media in Services Management; Customer-focused Organization: Structure, Resources and Service Processes; Managing Internal Marketing: A Prerequisite for Successful Customer Management; Managing Service Culture: The Internal Service Imperative; and 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: Understand the knowledge of service products, consumers and markets; Explain the use of 4Ps of marketing to services; Illustrate to managing the customer interface; Applied the profitable service strategies in organization.

Topics:This course will be cover topics such as New Perspectives on Marketing in the Service Economy; Consumer Behavior in a Services Context; Positioning Services in Competitive Markets; Developing Service Products: Core and Supplementary Elements; Distributing Services through Physical and Electronic Channels; Setting Prices and Implementing Revenue Management; Promoting Services and Educating Customers; Designing and Managing Service Processes; Balancing Demand and Productive Capacity; Crafting the Service Environment; Managing People for Service Advantage; Managing Relationships and Building Loyalty; Complaint Handling and Service Recovery; Improving Service Quality and Productivity; and Striving for Service Leadership.

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.

MGMT7247 – STRATEGIC MANAGEMENT FUNDAMENTAL (2 Credits)

Learning Outcome: On successful completion of this course, students will be able to: Understanding the basic model of strategic management; Explain the strategic management for organization; Analyze organization by using strategic management tools.

Topics: This courses will cover topics such as The Nature of Strategic Management; Business Ethics/Social Responsibility/Environmental Sustainability; The Business Vision and Mission; The External Assessment; The Internal Assessment; Strategies In Action; Strategy Analysis and Choice; Implementing Strategies: Marketing, Finance/Accounting, R & D, and MIS Issues; Implementing Strategies: Management and Operations Issues; Strategy Review, Evaluation, and Control; Global/International Issues.

PSYC6150 – INDUSTRIAL AND ORGANIZATION PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze basic theories in industrial & organizational psychology; Explain the application of industrial & organizational psychology's theories in the industrial areas; Explain the scope & rule of Human Resources Management in organization; Describe each function of Human Resources Management in organization.

Topics: This courses will cover topics such as Definition and History of I/O Psychology, Planning & Recruitment; Selection & Placement; Performance Management, Evaluating Employee Performance; Employee Training & Development; Motivation, Employee Satisfaction & Commitment; Worker Stress (quality of work life) and Negative Employee Attitudes & Behaviors; Strategic Human Resource Management; Organizational Communication; The Analysis and Design of Work; Compensation of Human Resources; Human Factors and Occupational Health Psychology; Union/management Relation (plus specific issues on Indonesian Labors); Related Issues (Consumer Behavior, Engineering Psychology, Technology in Human Resources Management).

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

1. **Management Concept**
   Each student should be able to comprehend the discipline of management.
2. **Concept & Skills Integration and Entrepreneurial mindset**
   Each student should be able to integrate management concept and skills with entrepreneurial mindset.
3. **Ethical, Social & Professional Character**
   Each student should be able to exercise ethical and professional values.
4. **Awareness of ICT**
   Each student should be able to make use of ICT as management tool and business solution.

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 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 our students obtain the full benefit of having courses taught by our partners, and there by 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**

   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-focussed 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**, **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'Etudiant 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**. 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): **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**

5.2.3 Method of Education Delivery

Modular Content with Problem-based Learning

Since 2010, BINUS BUSINESS SCHOOL International Undergraduate Program has used Constructive Alignment to design teaching and learning at the level of curriculum and course. The program implements modular content with problem-based learning (PBL) to speed up the process of student-centered learning. 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 each course consists of a mid-semester exam and a final exam. Both mid-semester exam and final exam are conducted once each semester.

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) 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, 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.

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 uses English as the medium of instruction and communication. Textbooks, class delivery, discussions, student presentations, quizzes, tests and exams are all in English. Additionally, assignments, papers and thesis are all written in English.

To be accepted as a student of BINUS BUSINESS SCHOOL, 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-sessional English course (Pre-University English) of 150 hours. BINUS BUSINESS SCHOOL organizes these pre-sessional English classes especially to enhance the student's 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 a Pre-Academic English course which prepares them for late entry to Academic English I from semester 2.

As our current international university partners are in Australia, New Zealand, the United Kingdom, Germany, the Netherlands, Switzerland, and China, English. Since BINUS BUSINESS SCHOOL 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 that particular university.

Semester Credit Unit (SCU)

The Semester Credit Unit (SCU) system is a way of organizing higher education programs in order to explain their academic weight. The semester is a unit of time that describes the duration of courses in an academic year. The SCU system offers some degree of flexibility for students to design their pace of study. Some benefits of SCU system are:

1. Give credibility to students who are clever and diligent, and who can complete their studies within a shorter than normal minimum duration.
2. Give an opportunity to students to choose courses according to the interest, talent and capacity of the individual.
3. Create possibilities within the education system for plural input and output.
4. Facilitate the adaptation of curricula to the rapid development of knowledge and technology.
5. Enable the evaluation system of the higher learning of the students to be conducted optimally.

Credit Characteristics

In the credit system, each course has a weight, that is to say, 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 the semester system, each course is completed in one semester that runs for 13 weeks. In addition to quantitative grading, the semester credit system allows that the completion of a study course means it can be valued in a quantitative manner, by giving a weight to the relevant course. The weight of each course is measured in credit units.

One credit is made up of a weekly commitment of:

1. An academic hour of scheduled face-to-face learning in the classroom with academic staff. This is defined as 50 minutes.
2. An academic hour of structured academic activity, which has been scheduled and planned by academic staff (lecturers) e.g.: review session or seminar.
3. An academic hour of independent academic activity such as reading, summarizing, working on papers etc.

Students can graduate if they have achieved, among others, a minimum of 146 SCU.

Collaborative Learning with Innopeda Curriculum

BINUS BUSINESS SCHOOL International Undergraduate Program is 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 intended learning outcomes aiming to nurture new entrepreneurs.

The Innopeda curriculum is centered upon the hatchery courses, which enable students to hatch their innovative ideas into business solutions and startup. Project Hatchery, Design Driven Entrepreneurship, Business Model Innovation,

and Sustainable Startup Creation are courses designed specifically with design thinking, customer development and lean startup methodology in a multi-discipline environment to stimulate and cultivate entrepreneurial skills.

To support this collaborative and entrepreneurial learning environment, the Center for Innovation and Entrepreneurship (CIE) was established 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 CIE immerses students with an end-to-end experiential journey.

5.2.4 Evaluation System

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.

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 a minimum grade of B or C, and non-core courses with a minimum grade of D. There are exceptions.
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.

5.2.5 3+1 Curriculum

BINUS BUSINESS SCHOOL International Undergraduate Program 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. internships, research, entrepreneurship, community development, study abroad, etc. Program specific needs). 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 BINUS BUSINESS SCHOOL International Undergraduate Program graduates become an entrepreneur or working at a global organization within six months of graduation.

5.2.6 Students Support Facilities

Academic Advisory

Students 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 the English language at BINUS BUSINESS SCHOOL. This includes Pre-University English, Pre-Academic English and Academic English courses, a Language Clinic, Website, Social Networking Accounts and Self-Access Centre for students, pursuing contacts and developing programs and events with English language based entities in Indonesia and overseas, consultation, training and proofreading for faculty and staff, and coordination with our partner universities overseas.

ELS is pursuing a vision of making BINUS BUSINESS SCHOOL International Undergraduate Program 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 amongst 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 extremely effective 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. BINUS BUSINESS SCHOOL 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, in helping them to hire BINUS BUSINESS SCHOOL graduates.

3. **Leadership Training**. BINUS BUSINESS SCHOOL 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 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'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 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 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 and Entrepreneurship

The Center for Innovation and Entrepreneurship (CIDER) was established in 2013. It aims 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. 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, students are expected to be exposed to different business applications and practices from different countries.

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 BUSINESS SCHOOL 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* from BINUS UNIVERSITY
- Dual Degree with Bachelor of Arts (BA) from Cologne Business School, Germany
- Dual degree with Bachelor of Arts (B.A.Hons.) from Bournemouth University, United Kingdom

- Dual Degree with Bachelor of Business Administration (B.BA) from International College of Ningbo University, China
- Dual degree with Bachelor of Commerce (B.Com) from University of New South Wales, Australia
- Dual degree with Bachelor of Commerce (B.Com) from Victoria University Wellington, New Zealand
- Master track degree; Sarjana Ekonomi from BINUS UNIVERSITY and Master of Science in Management from IESEG School of Management, France

Major and Streaming

Study Completion Requirements

To complete a major in International Business with either a single or dual degree (DD), students must complete a minimum of 146 SCUs. Available streaming courses are available in this program, namely: Business in China (DD with Ningbo University), Business in ASEAN (single degree), European Management and International Trade (DD with Cologne Business School), Business and Management (DD with Bournemouth University), Commerce, (DD with UNSW or VUW).

Streaming	Degree				Partner
	Single	Title	Double	Title	
Commerce			√	S.E. & B.Com.	The University of New South Wales, Australia
Business and Management			√	S.E. & B.A. (Hons.)	Bournemouth University, UK
International Business and Marketing Management			√	S.E. & B.Com.	Victoria University of Wellington, New Zealand
International Trade or European Management			√	S.E. & B.A.	Cologne Business School
Business in China			√	S.E. & B.BA.	International College, Ningbo University
Business in ASEAN	√	S.E.			• Study abroad partner of International Business program • Student exchange partner of BINUS UNIVERSITY

Overseas study is mandatory for international business students in order to complete the program. Students may choose any of the following options:

Program	Description	Mechanism
3 + 1 Single Degree	Students will study for six semesters in BINUS and one (1) semester off campus. Students are required to undergo either an overseas exchange program or study abroad program for one semester, AND a choice of two tracks, namely Enrichment Internship Track or Enrichment Entrepreneurship Track. Students will graduate with one degree – *Sarjana Ekonomi* - from BINUS UNIVERSITY.	• Semester 1 – 5: Study in BINUS • Semester 6 – 7: Off Campus • Semester 8: Thesis in BINUS

Program	Description	Mechanism
Double degree	Students will study for maximum six semesters at BINUS and at least two semesters overseas at a partner university of BINUS International. Students will graduate with a double degree – Sarjana Ekonomi - from BINUS UNIVERSITY and a Bachelor degree from partner universities.	• Cologne Business School, Germany • International College of Ningbo University, China • Bournemouth University, UK • University of New South Wales, Australia • Victoria University of Wellington, New Zealand
Master track (it's not a part of streaming in IB program)	Upon completing their study at BINUS, students have an opportunity to directly study for a Master program for two semesters overseas at a partner university of BINUS International.	• IESEG School of Management, France

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 Design Driven Entrepreneurship are courses that reflect such competence designed by the Center of Innovation and Entrepreneurship in BINUS BUSINESS SCHOOL International Undergraduate Program. 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.

Course Structure

Courses to be taken at BINUS UNIVERSITY International (for Single Degree in Business in ASEAN)

Sem	Code	Course Name	SCU	Total
1	ENGL6218	Academic English I	2	20
	CHAR6013	Character Building: *Pancasila*	2	
	ENTR6091	Project Hatchery	2	
	BUSS6091	Business Ethics	2	
	ECON6080	Economics	8	
	MGMT6011	Introduction to Management & Business	4	
2	ENGL6172	Academic English II	3	21
	CHAR6014	Character Building: *Kewarganegaraan*	2	
	ACCT6285	Accounting for Business	8	
	MKTG8005	Marketing Management	4	
	BUSS6028	International Business	4	
3	CHAR6015	Character Building: *Agama*	2	22
	LANG6061	Indonesian	1	
	ENTR6094	Design Driven Entrepreneurship	3	
	LAWS6075	Legal Aspect in Economics	2	
	MGMT6012	Human Resources Management	4	
	MATH6116	Mathematics & Statistics for Business	6	
	FINC6001	Financial Management	4	
4	COMM6192	Business Communication	2	22
	STAT6138	Advanced Business Statistics	4	
	MGMT6038	Cross Cultural Management	2	
	ECON8009	Managerial Economics	4	
	MGMT6018	Operational Management	4	
	ISYS6118	Management Information Systems	4	
	RSCH6065	Research Methodology I	2	
5	*(DD program in UNSW, VUW, and Ningbo Universities will depart this semester)*			
5	BUSS6027	Exporting – Importing	4	19
	BUSS6024	Business in ASEAN	4	
	MGMT6107	South East Asian Culture	3	
	BUSS6029	Business in Indonesia	2	
	MGMT6096	Project Management	3	
	MGMT6232	Strategic Management	3	
6	**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	4	
				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
*etc : Department 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	

*) *Elective courses for study abroad will be transferred to BINUS BUSINESS SCHOOL International Undergraduate's SCU based on the transferred credit policies.*

Prerequisites for International Business

Subject		SCU	Smt	Prerequisite		SCU	Smt
MGMT6012	Human Resources Management	4	3	MGMT6011	Introduction to Management & Business	4	1
MGMT6038	Cross Cultural Management	2	4	MGMT6011	Introduction to Management & Business	4	1
MGMT6018	Operational Management	4	4	MGMT6011	Introduction to Management & Business	4	1
RSCH6065	Research Methodology I	2	4	MATH6116	Mathematics & Statistics for Business	6	3
BUSS6027	Exporting – Importing	4	5	BUSS6028	International Business	4	2
MGMT6249	Project Management	4	5	MGMT6011	Introduction to Management & Business	4	1
MGMT6232	Strategic Management	3	5	MGMT6011	Introduction to Management & Business	4	1
BUSS6024	Business in ASEAN	4	5	BUSS6028	International Business	4	2
RSCH6066	Research Methodology II	2	8	RSCH6065	Research Methodology I	2	4
BUSS6120	Contemporary Issues in ASEAN	2	8	BUSS6024	Business in ASEAN	4	5
				MGMT6107	South East Asian Culture	3	5

Courses to be taken at partner universities

International Trade- Cologne Business School **(1-year DD program)**	**SCU**
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

European Management - Cologne Business School **(1-year DD program)**	**SCU**
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
Business in China – Ningbo University International College **(2-year DD program)**	
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

Business 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

International Business & Marketing Management – Victoria University of Wellington **(2-year DD program)**	**SCU**
Option of majors:	
Commercial Law	64
Economics	64
Human Resource Management and Industrial Relations	64
Management	64
Marketing	64

Commerce – The University of New South Wales, Australia **(2-year DD program)**	**SCU**
Option of majors:	
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

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 at BINUS BUSINESS SCHOOL International Undergraduate 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 at BINUS BUSINESS SCHOOL International Undergraduate 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 BUSINESS SCHOOL International Undergraduate Program 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
- Dual Degree with Bachelor of Business Marketing (B.Bus.) from Queensland University of Technology (QUT) Business School, Australia.
- Dual Degree with Bachelor of Commerce in Marketing (B.Com.) from Macquarie University, Australia.
- Dual Degree with Bachelor of Arts in International Business (B.A.) from Cologne Business School, Germany.
- Dual Degree with Bachelor of Business Administration (B.BA.) from Saxion University of Applied Science, Netherlands.
- Master Degree with Master of Commerce in Marketing, Finance, Accounting, Business (M.Com.) from Macquarie University, Australia.

Majors and Streamings

Streaming	Degree				Partner
	Single	Title	Double	Title	
Business Management and Marketing	√	S.E.			
Marketing & International Business			√	S.E. & B. Bus.	Queensland University of Technology (QUT),
Marketing			√	S.E. & B. Com.	Macquarie University, Australia

Streaming	Degree				Partner
	Single	Title	Double	Title	
International Business			√	S.E. & B.A.	Cologne Business School
Marketing			√	S.E. & B. BA.	Saxion University of Applied Sciences
Master Track			√	S.E. & M.Com in Marketing, M.Com in Finance, M.Com in Accounting, M.Com in Business	Macquarie University, Australia

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 UNIVERSITY INTERNATIONAL 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 BUSINESS SCHOOL International Undergraduate Program, 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 BUSINESS SCHOOL International Undergraduate Program 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.)* from BINUS BUSINESS SCHOOL.

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 Unviersity, 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 BUSINESS SCHOOL International Undergraduate Program, 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 BUSINESS SCHOOL International Undergraduate Program 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.)* from BINUS BUSINESS SCHOOL.

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 INTERNATIONAL, 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.)* from BINUS UNIVERSITY.

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.BA (Saxion). This program was designed to provide students with skills and knowledge in business admnistration. 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 BUSINESS SCHOOL International Undergraduate Program, 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.BA.) degree from Saxion University, in addition to the Sarjana Ekonomi (S.E.) from BINUS BUSINESS SCHOOL.

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 INTERNATIONAL 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 dicussions, 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 guests 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 and Entreprenuership. 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 at BINUS BUSINESS SCHOOL International Undergraduate Program, 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

Semester	Code	Course Name	SCU	Total
1	ECON6080	Economics	8	19
	ENGL6218	Academic English I	2	
	ENTR6091	Project Hatchery	2	
	LANG6061	Indonesian	1	
	MGMT6250	Marketing Management 1	4	
	LAWS6075	Legal Aspects in Economics	2	
2	ENGL6219	Academic English II	2	20
	CHAR6013	Character Building: *Pancasila*	2	
	MGMT6011	Introduction to Management & Business	4	
	MKTG6228	Marketing Plan	2	
	MKTG6088	Consumer Behavior	4	
	MATH6116	Mathematics & Statistics for Business	6	
3	ACCT6285	Accounting for Business	8	21
	STAT6138	Advanced Business Statistics	4	
	CHAR6014	Character Building: *Kewarganegaraan*	2	
	MKTG6181	Services Marketing	2	
	ENTR6094	Design Driven Entrepreneurship	3	
	COMM8006	Business Communication	2	
4	MKTG6229	Pricing Management & Strategy	3	20
	MGMT6295	Operations Management & Information Systems	8	
	FINC6001	Financial Management	4	
	MKTG6230	Product and Brand Management	3	
	CHAR6015	Character Building: *Agama*	2	
5	MGMT6012	Human Resources Management	4	15
	ECON8009	Managerial Economics*	4	
	MKTG6099	Website Usability and Design	2	
	MKTG6163	Web Analytics and e-CRM	2	
	MKTG6182	Digital Campaign and Promotion Management	3	

Semester	Code	Course Name	SCU	Total
6	RSCH6020	Research Methods in Marketing	4	13
	MKTG6231	International Marketing	3	
	MKTG6184	Social Media and New Media Marketing Strategies	2	
	MKTG6189	Marketing Channels	2	
	MGMT6038	Cross Cultural Management	2	
7	**Enrichment Program I**		16	16
8	**Enrichment Program II**		16	22
	MKTG6098	Thesis	6	
TOTAL CREDIT 146 SCU				

Enrichment Program I (7th Semester) &Enrichment Program II (8th Semester):

-) *Student will take one of the 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					
2	v									v		
3		v					v					
4		v								v		
5			v						v			
6				v			v					
7					v					v		

Notes:
I: Internship
RS: Research
ENTR: Entrepreneurship
CD: Community Development
SA: Study Abroad
Other: Department 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	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	

**) Elective courses for study abroad will be transferred to BINUS UNIVERSITY INTERNATIONAL's SCU based on the transferred credit policies.*

Prerequisites for Business Management and Marketing

Subject		SCU	Smt	Prerequisite		SCU	Smt
MKTG6088	Consumer Behavior	4	2	MGMT6250	Marketing Management 1	4	1
MKTG6230	Products & Brand Management	3	4	MGMT6250	Marketing Management 1	4	1
MKTG6229	Pricing Management & Strategy	3	4	MGMT6250	Marketing Management 1	4	1
MKTG6181	Services Marketing	2	3	MGMT6250	Marketing Management 1	4	1
MKTG6163	Web Analytics and e-CRM	2	5	MGMT6250	Marketing Management 1	4	1
MKTG6182	Digital Campaign & Promotion Management	3	5	MGMT6250	Marketing Management 1	4	1

Subject		SCU	Smt	Prerequisite		SCU	Smt
MKTG6184	Social Media and New Media Marketing Strategies	2	6	MGMT6250	Marketing Management 1	4	1
MKTG6231	International Marketing	3	6	MGMT6250	Marketing Management 1	4	1
MKTG6189	Marketing Channels	2	6	MGMT6250	Marketing Management 1	4	1
				MGMT6011	Introduction to Management & Business	4	2
MKTG6099	Website Usability and Design	2	5	MGMT6250	Marketing Management 1	4	1

5.2.8 Course Descriptions

International Business

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-requisites: None

BUSS6024 – BUSINESS IN ASEAN (4 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-requisites: International Business 1

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 defendable 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-requisites: Business in ASEAN; Southeast Asian Culture

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 able to understand the fundamentals of export/import as well as the environment.
Pre-requisites: International Business 1

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-requisites: None

BUSS6028 – INTERNATIONAL BUSINESS I (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-requisites: None

BUSS6091 – 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-requisites: None

COMM6192 – 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-requisites: None

ECON8009 – MANAGERIAL ECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Categorize the elasticity of demand and supply which relates to total revenue; Calculate the profit – maximizing price and output; Analyze the condition for contestable market and the ramifications for market power and the sustainability of long-run profits; 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; Quantitative demand analysis in managerial evaluation for decision making relate to consumer behavior; 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 market; Strategic managing monopoly market; Strategic managing Monopolistic competition markets; Oligopoly model: basic and game theory; Market power in pricing strategies for firms; Evaluation of the economics of information; Evaluation of advanced topics in business strategy.

FINC6001 – FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Financial Management Process, Calculate Financial Performance, Analyze Financial Planning, Apply Asset Management and make capital budgeting decision, Calculate Capital structure and international managerial finance.

Topics: Overview Of Managerial Finance, Overview Of Managerial Finance 2, Financial Statement and analysis 1, Financial Statement and analysis 2, Time Value Of Money 1, Time Value Of Money 2, Risk and Return 1, Risk and Return 2, Interest rates and Bond valuation 1, Interest rates and Bond valuation 2, Stock Valuation 1, Stock Valuation 2, Capital Budgeting Cashflows 1, Capital Budgeting Cashflows 2, Cost Of Capital 1, Cost Of Capital 2, Leverage and

Capital Structure 1, Leverage and Capital Structure 2, Dividend Policy 1, Dividend Policy 2, Working Capital Management 1, Working Capital Management 2, Special Topics In Financial Management, Special Topics In Financial Management 2, Overview Of International Managerial Finance, Overview Of International Managerial Finance 2.

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-requisites: None

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-requisites: None

MGMT6012 – HUMAN RESOURCES MANAGEMENT (4 SCU)

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; apply human resource functions that match the organizations' needs.

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. Upon successful completion of this course, students are expected to be able to identify and explain issues, opportunities and challenges relevant to HR management, explain and illustrate HRM's issues effectively.

Pre-requisites: Introduction to Management & Business

MGMT6018 – OPERATIONS MANAGEMENT (4 SCU)

Learning Outcomes: Identify principles of Operations Management; Describe how products and services are designed by Operations Management; Interpret how products and services are managed by Operations Management.

Topics: Introduction to Operations Management; The Global Environment and Operations Strategy; Product Design; Quality Management and Statistical Process Control; Process Design and Capacity Planning; Capacity Planning; Location Decision; Layout Decisions; Managing the Supply Chain; Managing Inventory; Aggregate Scheduling; Material Requirements Planning (MRP) and ERP; Scheduling for the short Term; JIT and Lean Operations; Maintenance and Reliability Decisions.

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.

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-requisites: 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-requisites: None

MGMT6232 – 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-requisites: Introduction to Management and Business

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-requisites: None

LAWS6075 - LEGAL ASPECT IN ECONOMY (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 Economy that determine the rights, duties and obligations of persons involved in business.

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-requisites: Mathematics & 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-requisites: Research Methodology 1

Business Management and Marketing

COMM8006– BUSINESS COMMUNICATION (2 SCU)

Learning Outcomes: Through this subject, students are expected to have the ability to communicate ideas clearly by using appropriate structures, vocabulary, logic and arguments in various formats of business writings, such as memos, format reports, proposals, etc. Students are also expected to possess knowledge and skills in effective oral communication skills, particularly in conducting formal business presentations. Upon completion of the internship, students will have a good understanding and competence in interacting with various stakeholders from different backgrounds in today's global business environment.
Topics: In order to prepare students to meet the communication requirements of today's business world, students will undertake the following: acquiring and incorporating relevant vocabulary from the business environment; developing accuracy and logics in writing; and presenting their insights in the form of presentations.

MGMT6250 – MARKETING MANAGEMENT 1 (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-requisites: None

MKTG6088 – CONSUMER BEHAVIOR (4 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-requisites: Marketing Management 1

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-requisites: Marketing Management 1; Marketing Management 2

MKTG6163 – WEB ANALYTICS and E-CRM (2 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-requisites: Marketing Management 1; Marketing Management 2

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-requisites: Marketing Management 1

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-requisites: Marketing Management 1

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-requisites: Marketing Management 1

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-requisites: Marketing Management 1; Introduction to Management and Business

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-requisites: Marketing Management 1

MKTG6230 – PRODUCT 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-requisites: Marketing Management 1

RSCH6020 – RESEARCH METHODS IN MARKETING (4 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-requisites: Mathematics and Statistics for Business

General Studies (GS)

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; Analyse 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: 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: 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: None

ENGL6218 – ACADEMIC ENGLISH I (2 SCU) + 1 HOUR WORKSHOP

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

ENGL6219– ACADEMIC ENGLISH II (2 SCU) + 1 HOUR WORKSHOP
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

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: 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: Design Driven Entrepreneurship

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: Business Model Innovation

ENTR6094 - DESIGN DRIVEN ENTREPRENEURSHIP (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, design and validate basic Business Model Canvas, and pitch business idea effectively to stakeholders.
Topics: In this course, students will learn more on how to design the right business model to tackle business challenges. Students 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 you would want/use your product. In order to do it properly, students need to have a strong foundation and understanding of nowadays entrepreneurship where technology growing rapidly. This course will focus on finding the right product or service to the right market before setting up new business and how to communicate business idea effectively to the stakeholder. Working with your team you will encounter issues on how to build and work with a team and we will help you understand how to build and manage the startup team.
Pre-requisite: Project Hatchery

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: Design Driven Entrepreneurship

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 background.

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: Design Driven Entrepreneurship

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: 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: Business Model Innovation

5.3 BINUS BUSINESS SCHOOL Master Program

5.3.1 Introduction

BINUS BUSINESS SCHOOL (BBS) opened its doors in 1993; and since then 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 all BINUS BUSINESS SCHOOL 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 lead to Magister Manajemen (MM) degrees, and have received 'A' accreditation from the national accreditation body in 2011.
Currently, there are several programs offered within this business school, which can be roughly divided into four groups based on students' working experience and the preference of teaching-learning process of the program. The programs offered are as follows:

- MM Young Professional in Business Management and Creative Marketing
- MM Professional in Business Management
- MM Blended Learning in Business Management
- MM Executive

In all programs, learning is facilitated through the 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 to put their study in context, BINUS BUSINESS SCHOOL 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 Goal

1. **Problem solving and Leadership**
   Each student should be able to perform systematic monitoring and evaluation to provide strategic recommendation to create value and enhance organization performance.
2. **Innovation**
   Each student should be able to develop knowledge, innovative breakthroughs, and decision by using conceptual framework and research.
3. **Implementation and Communication**
   Each student should beable to develop organizational structures, implement policies, strategies, and perform effective communication covering internal and external conditions of the organization.
4. **Management concepts, research, multidisciplinary approach**
   Each student should be able to apply multidisciplinary approach to develop planning process and analysis of resources in formulating organizational strategy.
5. **Ethics and humanistic value**
   Each student should be able to internalize leadership characteristics with social competence and cultural sensitivity as a foundation for continual delivery of innovation to benefit society

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 C, but the thesis requires students to pass at least with C+. Any course obtained with a grade of D or less must be retaken, even if the GPA is above 3.00
- A student with a GPA of less than 3.00 should re-take the lowest grade courses (C, C+ or B-).

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 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 assessment 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.

Program Structure

MM Young Professional consists of following courses:

SEMESTER 1

Period 1

Course Name	SCU
MGMT8041 – Human Capital Management	3
ACCT8144 – Accounting for Managers	3
STAT8097 – Business Statistics	3

Period 2

Course Name	SCU
ENTR8034 – Design Thinking and Entrepreneurship	3
RSCH8076 – Research Methodology	3
MKTG8073 – Marketing Fundamentals	3

SEMESTER 2

Period 1

Course Name	SCU
MGMT8039 – Contemporary Issues in Management	1
MGMT8090 – Operations Fundamentals	3
ISYS8241 – Information Systems Management	3

Period 2

Course Name	SCU
FINC8059 – Financial Fundamentals	3
MGMT8089 – Strategic Management in Business	3

SEMESTER 3

Period 1

Course Name	SCU
BUSS8022 – Ethics & Social Awareness	3

Period 2

Course Name	SCU
MGMT8088 – Thesis	6
MGMT8042 – Leadership & Organizational Behavior	2

MM Young Professional Creative Marketing

Introduction

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. 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 BUSINESS SCHOOL

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 and group projects, assignments and presentations, are designed to enhance the students' capability in applying comprehensive marketing approaches in the 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 labs in the class and to develop necessary marketing research skills to get consumer insights. The utilization of ICT to support learning and decision-making is encouraged.

Innovation will be developed through course assessments that put emphasis on content comprehension and innovation. Innovation thinking, commonly referred to as 'design thinking' on the other hand will equip students with the necessary skills to innovate. 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.

Moreover, additional events such as Market Update in the beginning of period, CMO Chat as well as guest lecturers would also give students a new perspective on how to relate theoretical marketing foundations with current practices and to give them exposure to social and professional networks. At the end of program, students are required to write a thesis that asseses 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 researcher, digital marketer, brand manager, product development manager, advertising manager as well as entrepreneur are available in the market for students after completing 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.

MM Creative Marketing consists of following courses:

SEMESTER 1

Period 1

Course Name	SCU
FINC8008 - Financial Fundamentals for Marketing	3
MKTG8010 - Strategic Marketing Planning	3

Period 2

Course Name	SCU
RSCH8069 - Research Methodology for Marketing	3
MKTG8074 - Consumer Behavior	3
ENTR8034 - Design Thinking and Entrepreneurship	3

SEMESTER 2

Period 1

Course Name	SCU
MKTG8009 - Contemporary Issues in Marketing	1
COMM8159 - Creative Marketing Communication	3
MKTG8077 - Digital Marketing & Multimedia	3

Period 2

Course Name	SCU
MGMT8089 - Strategic Management in Business	3
MKTG8075 - New Product Development & Channel Management	3
MKTG8076 - Branding & Value Creation	3

SEMESTER 3

Period 1

Course Name	SCU
BUSS8022 – Ethics and Social Awareness	3

Period 2

Course Name	SCU
MGMT8042 - Leadership & Organizational Behavior	2
MGMT8088 – Thesis	6

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 BUSINESS SCHOOL

Study Completion Requirements

To complete 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, 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.

Program Structure

MM Business Management consists of subjects covering various business functions, IT and soft-skills related, and consolidating capstone courses as follows:

SEMESTER 1

Period 1

Course Name	SCU
MGMT8041 – Human Capital Management	3
ACCT8144 – Accounting for Managers	3
MKTG8072 – Marketing Management	3

Period 2

Course Name	SCU
ISYS8240 – Information Technology for Management	3
RSCH8076 – Research Methodology	3
ECON8020 – Managerial Economics	3

SEMESTER 2

Period 1

Course Name	SCU
MGMT8039 – Contemporary Issues in Management	1
MGMT8087 – Operations & Supply Chain Management	3
ENGL8196 – Academic English for Professionals	2

Period 2

Course Name	SCU
FINC8052 – Corporate Finance	3
BUSS8021 – Corporate & Business Strategy	3
MGMT8207 – Management Consulting Field Project	3

SEMESTER 3

Period 1

Course Name	SCU
BUSS8020 – Business Ethics	3

Period 2

Course Name	SCU
RSCH8088 – Thesis	6
MGMT8042 – Leadership & Organizational Behavior	2

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 entrepreneurs in established firms.

The MM Business Management - Blended Learning is a 41 credit program consisting of knowledge in functional areas, innovation, entrepreneurship, business research, 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 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 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 BUSINESS SCHOOL

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.

Program Structure

MM Business Management - Blended Learning consists of following courses:

SEMESTER 1

Period 1

Course Name	SCU
MKTG8012 – Marketing Management in the Digital World	3
MGMT8043 – Leadership & Human Capital Management	3
ISY8031 – Information Systems for Management	2

Period 2

Course Name	SCU
STAT8097– Business Statistics	3
RSCH8073 – Research Methodology	2
MGMT8040 – Digital Business & E-Commerce Management	3

SEMESTER 2

Period 1

Course Name	SCU
RSCH8072 – Research Analysis & Publication	2
MGMT8044 – Operations Management	3
ACCT8144 – Accounting for Managers	3

Periode 2

Course Name	SCU
FINC8009 - Financial Management	3
ENTR8034 - Design Thinking and Entrepreneurship	3

SEMESTER 3

Periode 1

Course Name	SCU
BUSS8007– Ethics & Social Awareness	2

Periode 2

Course Name	SCU
MGMT8089 – Strategic Management in Business	3
MGMT8088 – Thesis	6

MM Executive

Description

The MM Executive 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 responsibilites 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 MM Executive 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 MM Executive Program in order to improve the quality of classroom work.

Binus MM Executive is a 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

- Magister Manajemen from BINUS BUSINESS SCHOOL, which by content is equal to an MBA degree.

Study Completion Requirements

To complete a Magister Manajemen degree, students must complete a minimum of 40 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," MM Executive'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 MM Executive 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.

Program Structure

SEMESTER 1

Period 1

Course Name	SCU
MGMT8091 – Matriculation	0
DSGN8001 – Design Thinking and Business Innovation	3
ACCT8001 – Accounting for Executives	2
RSCH8060 – Business Research	3

Period 2

Course Name	SCU
ECON8002 – Microeconomics of Competitiveness	2
MGMT8032 – Strategic Marketing Management	3
FINC8006 – Corporate Finance	3

SEMESTER 2

Period 1

Course Name	SCU
BUSS8005 – Corporate Governance and Ethics	2
MGMT8033 – Strategic Human Capital and Change Management	3

Period 2

Course Name	SCU
MGMT8018 – Operations & Supply Chain Management	3
ENTR8005 – Startups and Corporate Entrepreneurship	2

SEMESTER 3

Period 1

Course Name	SCU
BUSS8006 – Agile and Disruptive Business Strategy	3
MGMT8034 – Leading in the Global Environment	2

Period 2

Course Name	SCU
BUSS8004 – Executing Business Strategy	3
MGMT8035 – Thesis	6

Master Track in Management

Description

The Master Track in Management is an accelerated undergraduate and master degree program which is designed to complement the undergraduate degree obtained from BINUS UNIVERSITY. This program is intended to prepare talented students for a managerial career in a hypercompetitive market. The program is offered 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 equips the students to launch their own businesses or become entrepreneurs in established firms.

The Master Track in Management program is a 172-credit program, where students have to complete 10 semesters which are divided into semesters 1-6 in the undergraduate program and semesters 7-10 in the graduate program. This program consists of knowledge in functional areas, innovation, entrepreneurship, communication and interpersonal skills, business ethics and a capstone course in strategic management. Upon completion of the study, students are expected to learn 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 within the faculty, and also encourages intellectual challenges and exploration.

Award/Degree

- *Sarjana Ekonomi (S.E.)* and MM Degree from BINUS BUSINESS SCHOOL

Study Completion Requirements

To complete the MM degree (in Business Management) at BINUS BUSINESS SCHOOL Master Program, students must complete a minimum of 172 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 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 qualifications 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. 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 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 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.
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 the 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 their technical and non-technical skills to face industry challenges.

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.

Program Structure

MM Master Track Program in Business Management consists of following courses:

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	
	ISYS6118	Management Information Systems	4	
	ENTR6003	Entrepreneurship I	2	
	MKTG8005	Marketing Management	4	
	COMP6203	Office for Professionals	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
	MGMT6038	Cross Cultural Management	2	
	COMM8006	Business Communication	2	
	MGMT6012	Human Resources Management	4	
	ECON8009	Managerial Economics	4	
	MGMT6018	Operational Management	4	
	STAT8067	Business Statistics I	2	
	MGMT6022	Management and Organization	4	
4	ENTR6004	Entrepreneurship II	2	24
	ACCT6049	Managerial Accounting	4	
	FINC6001	Financial Management	4	
	MGMT6122	Leadership and Managing Human Capital in Organization	4	
	MGMT6036	Quantitative Business Analysis	4/2	
	BUSS7001	International Business	4	

Sem	Code	Course Name	SCU	Total
5	RSCH6026	Research Methodology	4	20
	STAT8068	Business Statistics II	2/2	
	CHAR6015	Character Building: *Agama*	2	
	MGMT6144	Corporate Governance	4	
	MGMT6033	Advanced Topics in Business and Organization	2	
	MGMT6145	Compensation and Performance Management	2	
	PSYC6117	Industrial and Organizational Psychology	2	
6	**Enrichment Program**		15	15
7	MGMT8031	Working Paper	6	18
	BUSS8022	Ethics & Social Awareness	3	
	MGMT8086	Leadership & Organizational Behavior	3	
	MGMT8089	Strategic Management in Business	3	
	ENTR8034	Design Thinking and Entrepreneurship	3	
8	MKTG8077	Digital Marketing and Multimedia	3	18
	MGMT8030	Operations Management and Strategy	3	
	ACCT8144	Accounting for Managers	3	
	FINC8052	Corporate Finance	3	
	RSCH8056	Advanced Research Methodology	3	
	ISYS8240	IT for Management	3	
9	FINC8058	Investment Management	3	6
	MKTG8011	Strategic Marketing	2	
	MGMT8039	Contemporary Issues in Management	1	
10	MGMT8088	Thesis	6	6
TOTAL CREDIT 172 SCU				

5.3.4 Course Descriptions

MM Young Professional – Business Management

ACCT8144 – ACCOUNTING FOR MANAGERS (3SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: read, identify and analyze financial statements as a support in the decision making process in the business; interpret financial statement to improve financial health of the firm; analyze managerial problems and apply appropriate managerial accounting processes and techniques to support management in selecting business decisions and solving business problems.

Topics: This course introduces the students to financial statements in the business including how to prepare, read, analyze and interpret the financial report by studying financial accounting. Balance sheet, income statements, cash flow statements and statement of owner's equity as financial reports will be covered in this course. This course also introduces students 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 costs and profitability of an organization's products, services, as well as creating values for the business.

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 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.

ENTR8034 – DESIGN THINKING AND ENTREPRENEURSHIP (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: assess and apply design thinking and integrative thinking approaches in business decision-making; design a prototype using the design thinking process; propose effective approaches in design thinking to make innovative decision; communicate the solutions effectively; analyze the traits and skills of successful entrepreneurs and ventures; and analyze the environment of business and understand how to start new 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.

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.

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 approprite 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.

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.

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 AND ORGANIZATIONAL BEHAVIOR (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected 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 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.

MGMT8043 - LEADERSHIP & HUMAN CAPITAL MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify and analyze 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; develop recommendations or plans to improve the human capital processes to optimize results and engagement of people based on ethical analysis both in 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 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.

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 affect 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 the 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 international case studies and Asian case studies which assist the participants to identify the sources of core competence, capability and competitive advantage from both the industry and firm's 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.

MKTG8073 – MARKETING FUNDAMENTALS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify the emerging local and global problems/issues; assess the marketing management principles to local and global corporate performance; identify and assess market and industry using the latest marketing management conceptual frameworks; assess recommendations on a comprehensive marketing management approach to address local and global business problems; and demonstrate effective oral communication skills.

Topics: 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.

STAT8097 – BUSINESS STATISTICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify business problems and issues; describe the use, capabilities and limitations of various statistical procedures; assess appropriate descriptive statistics to present and summarize data into useful information; propose appropriate statistical inference methods, through statistical analysis and utilize the interpretation in making business decision to solve the business problems; and conduct a thorough statistical analysis and utilize the interpretation in making ethical business decisions in both the local and international contexts.

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 the business world, and provide ample practice in order to understand how statistics is used in business.

MM Young Professional – Creative Marketing

COMM8159 - CREATIVE MARKETING COMMUNICATION (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to: identify the role of creative marketing communication in the marketing planning and to achieve the business/marketing objectives; explain and analyze theory, concepts, principles and cases in 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 have brought many difficulties and, for some, opportunities, for marketers to communicate their brands. The hyper-competitive markets need a new way of marketing communications to make brands achieve their marketing objectives. The old school of conventional advertising is now 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 stand out from the crowd and achieve 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.

FINC8008 – FINANCIAL FUNDAMENTALS FOR MARKETING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: 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; and 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 for customers. The course also equips the students with the ability to analyze the impact of marketing strategy on financial performance and to identify how to improve the financial and investment performance.

MKTG8010 - STRATEGIC MARKETING PLANNING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify and explain the emerging local and global business opportunities and issues in the ever-changing business environment; analyze the market dynamic, consumer behavior and industrial development in order to get the emerging consumers/customers insights; define the market segmentation by using the proper analytical tools; craft a compelling positioning as a source of sustainable competitive edge to the organizations; and demonstrate effective team-work, leadership and communication skills in marketing.

Topics: This course is concerned 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 ever-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 media, segmentation has required both creative and strong analytical skills. This course, that is 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.

MKTG8074 - CONSUMER BEHAVIOR (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected 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 problems; apply appropriate marketing research methods to conduct 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 decisions.

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 the ability to analyze business problems using both the point of view of consumers and companies, so that students would be able to attack 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: define and apply the new method of internet sub modules for research, data mining, and marketing; differentiate and value the benefits in the capabilities of internet 2.0, internet 3.0 and beyond comparing to the early stage of Internet development, knowing the basic of web development workflow and constraints; explore types of content creations as the most prominent things in the digital strategy; design the strategy of integrated internet marketing using the available technology and platform effectively including social media; establish sources of income via e-commerce, subscription, and other methods of revenue.

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 the internet as the integrating point to create effective campaigns and marketing using the latest technology trends that will take the advantages of the internet 2.0 while considering future iterations.

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 puts special emphasis on the development and expansion of new or existing knowledge. It is within the objective of postgraduate education that a student should be able to expand their understanding on existing knowledge, may it be qualitative or quantitative, and provides contributions to such an area. For marketers, research is the integral part for deciding the right marketing strategy. The dynamic nature of the market and consumer behaviors demands marketing graduates are able to critically evaluate and make decisions based on the findings of a research. This course is specially designed for creative marketing graduates by developing students' knowledge and skills in the research process, thus preparing them to start their own research activities especially in the context of marketing lab in class and preparing them for thesis writing. The course will put additional weight on qualitative research, where students can learn how to obtain 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, critical review of the literature, selection of research designs, data collection and data analysis, and research report writing and presenting.

MM Professional – Business Management

BUSS8020 - BUSINESS ETHICS (3 SCU)

Learning Outcomes: Upon succesful 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; identiy 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 succesful 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.

ECON8020 – MANAGERIAL ECONOMICS (3 SCU)

Learning Outcomes: Upon succesful 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.

ENGL8196 – ACADEMIC ENGLISH FOR PROFESSIONALS (3 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.

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.

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.

MGMT8087 – OPERATIONS & SUPPLY CHAIN MANAGEMENT (3 SCU)

Learning Outcomes: Upon succesful 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 multidisciplined 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.

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.

MKTG8072 – MARKETING MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify emerging local and global problems/issues; assess the marketing management principles to local and global corporate performance; to identify and assess market and industry using the latest marketing management conceptual frameworks; assess recommendations on a comprehensive marketing management approach to address local and global business problems; and demonstrate effective oral communication skills.

Topics: 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.

MM Business Management – Blended Learning

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.

FINC8009 – FINANCIAL MANAGEMENT (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, risk and return, stock and bond, investment decision, cost of capital, valuing business, risk management and value creation.

ISY8031 - INFORMATION SYSTEMS FOR MANAGEMENT (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify the current problems/issues in relations to the usage 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 the appropriate technology 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.

MGMT8040 – DIGITAL BUSINESS & E-COMMERCE MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify the current problems/issues related to the implementation of digital business and e-commerce in organizations; apply digital business strategies 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 based on ethical analysis both in the local and international contexts.

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.

MGMT8044 - OPERATIONS MANAGEMENT (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 to operation; propose techniques to improve efficiency and effectiveness of operation system to support a firm performance; analyze the role of information technology in improving operations system performance; propose operational business solutions based in ethical analysis both local and international context.

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 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.

MKTG8012 – MARKETING MANAGEMENT IN DIGITAL WORLD (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: identify the emerging local and global problems/issues; assess the marketing management principles to local and global corporate performance; identify and assess market and industry using the latest marketing management conceptual frameworks; assess recommendations on a comprehensive marketing management approach to address local and global business problems; and demonstrate effective oral communication skills.

Topics: The purpose of this course is to develop knowledge and skills in the managerial aspects of marketing in the digital era. 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.

RSCH8072 – RESEARCH ANALYSIS & PUBLICATION (2 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 the business/management fields.

Topics: This course introduces to students about an 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.

RSCH8073 - RESEARCH METHODOLOGY (2 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 the business/management fields.

Topics: This course introduces to students about an 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.

MM Executive

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.

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.

DSGN8001 - DESIGN THINKING AND BUSINESS INNOVATION (3 SCU)

Learning Outcomes: Upon succesful 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.

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 perpective. 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.

ENTR8005 – STARTUPS AND CORPOPRATE 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.

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.

MGMT8018 - OPERATIONS & SUPPLY CHAIN MANAGEMENT (3 SCU)

Learning Outcomes: Upon succesful 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 leaning 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 A 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.

RSCH8060 – BUSINESS RESEARCH (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to: apply systematic steps in using certain quantitative methods to acquire strategic thinking skills and solve the identified problems; solve business, management and financial problems using quantitative and basic statistical analysis; formulate a model for

a certain business problem and present it in concise, communicative research reports, supported with multimedia enhanced infographics; compare and evaluate the effectiveness of several alternative decision models, and be able to differentiate 'good' and 'bad' research in business, and trade publications.

Topics: 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 is composed of the application of a wide variety of quantitative tools and techniques to the solutions of real business problems.

Master Track in Management

FINC8058 – INVESTMENT MANAGEMENT (3 SCU)

Learning Outcome: Upon successful completion of this course, students are expected to be able to: identify and explain local and global investment opportunities, explain different financial analysis tools in investment, apply and compare the suitable investment analysis tools used in real problems/cases, construct a systematic investment analysis using a top down investment approach activities; and use investment analysis tools to make investment decisions as a professional investor in the financial market.

Topics: This course discusses the investment industry, investment process/policies, financial instruments, macroeconomic and industry analysis, portfolio and risk theory, capital asset pricing model (CAPM), arbitrage pricing theory (APT), portfolio management, behavioral finance, technical analysis, options in portfolio management, and portfolio performance evaluation.

MGMT8030 – OPERATIONS MANAGEMENT AND STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able 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 operation; 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 in both the local and international context.

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.

MGMT8086 – LEADERSHIP & ORGANIZATIONAL BEHAVIOR (3 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.

MKTG8011 – STRATEGIC MARKETING (2 SCU)

Learning Outcome: Upon successful completion on this course students are expected to be able to: identify business problems; define and analyze market, segments, and customer value; develop market driven strategies for a product/service; and communicate the chosen marketing strategies effectively.

Topics: This Strategic Marketing course discusses the concepts and processes for gaining a competitive advantage in a marketplace. This course blends business strategy with marketing strategy. It overviews strategic planning and integrates it with a market-centered focus on the planning process, discussion of competitive advantage, competing in global markets, and strategic analysis are integrated throughout the course. The last part of the course examines organizational design and effectiveness, and marketing strategy implementation and control.

RSCH8056 – ADVANCED RESEARCH METHODOLOGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply critical thinking in research as a 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; and design and execute research project in business/ management fields.

Topics: This course introduces students about an 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, critically review the literature, selection of research designs, data collection and data analysis, and research report writing.

5.4 BINUS BUSINESS SCHOOL Doctorate Program

5.4.1 Introduction

BINUS Business School Doctorate program currently manage Doctor of Research in Management (DRM) study program.

It 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 Goal

1. **Philosophy of Management**

   Each student should be able to master the philosophy of management and to develop new knowledge in related management functions in particular type of organization through multidisciplinary research.

2. Multidisciplinary Research

Each student should be able to master the research methodology to study the phenomenon in management discipline for the decision making process and to develop research that is beneficial to science and humanity and is recognized in national and international level.

3. ICT for Research

Each student should be able to utilize ICT to support high-quality research.

Prospective Career of the Graduates

The Doctorate Program of DRM could take up one or combination of the following roles:

1. As Professional Researchers and lecturer, actively conducting research and publishing their papers in SCOPUS-indexed international journals, developing advance methode in education and always updating the content.
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 initiatives and actions in their respective company and becoming agent of change in the improvement and or innovation of industry best practices.

Course Structure

SEMESTER 1

Course Name	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 Name	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 Name	SCU
MGMT9026 – Dissertation Proposal Defense	6

SEMESTER 4

Course Name	SCU
MGMT9027 – Seminar on Dissertation Finding	7

SEMESTER 5

Course Name	SCU
MGMT9028 – Dissertation Defense	8

SEMESTER 6

Course Name	SCU
MGMT9029 – Dissertation Promotion	6

5.4.2 Doctor of Research in Management (Strategy & Growth)

SEMESTER 1

Course Name	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 Name	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 Name	SCU
MGMT9026 – Dissertation Proposal Defense	6

SEMESTER 4

Course Name	SCU
MGMT9027 – Seminar on Dissertation Finding	7

SEMESTER 5

Course Name	SCU
MGMT9028 – Dissertation Defense	8

SEMESTER 6

Course Name	SCU
MGMT9029 – Dissertation Promotion	6

5.4.3 Course Descriptions

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.

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: IPO Puzzles; The impacts of Merger & Acquisitions Activities; The Consequences of Diversifications; Restructuring Through Divestiture; The Rise of Corporate Governance in East Asia; Corporate Governance & Financial Performance; Corporate Governance & Financial Policy; Corporate Governance & Family Business; Corporate Governance & Innovation and Competiveness.

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.

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: 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: 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: 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.

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.

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).

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-Revisited; 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.

5.5 Student Activities

Currently the Student Committee manages 21 clubs:

1. ASC (Accounting Students Club)
2. BEST (BINUS INTERNATIONAL English Society)
3. BIBC (BINUS INTERNATIONAL Basketball Club)
4. BIDC (BINUS INTERNATIONAL Dance Club)
5. BIFC (BINUS INTERNATIONAL Football Club)
6. BIJAC (BINUS INTERNATIONAL Japanese Club)
7. BIMARC (BINUS INTERNATIONAL Marketing Club)
8. BIMUS (BINUS INTERNATIONAL Music Club)
9. BINARY (Computer Science Student Association)
10. BIPEDS (BINUS INTERNATIONAL Pool of English Debaters)
11. BITE (BINUS INTERNATIONAL Trading Enterprise)
12. BMS (BINUS INTERNATIONAL Moslem Society)
13. CAC (Creative Art Community)
14. CIA (Cameras in Action or BINUS INTERNATIONAL Cinematography Club)
15. CIC (Community in Christ)
16. BASIS (Club of Information Systems)
17. VOB (Voice of BINUS INTERNATIONAL)
18. BISC (BINUS INTERNATIONAL Student Committee)
19. BINUS INTERNATIONAL Capoeira Club
20. AIESEC
21. Kine Club (Film Club)

6. BINUS ONLINE LEARNING

6.1 Introduction

BINUS UNIVERSITY prepares and organizes Binus Online Learning as a method of online learning for individuals who want 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

To become a leading center of online higher education program

Mission

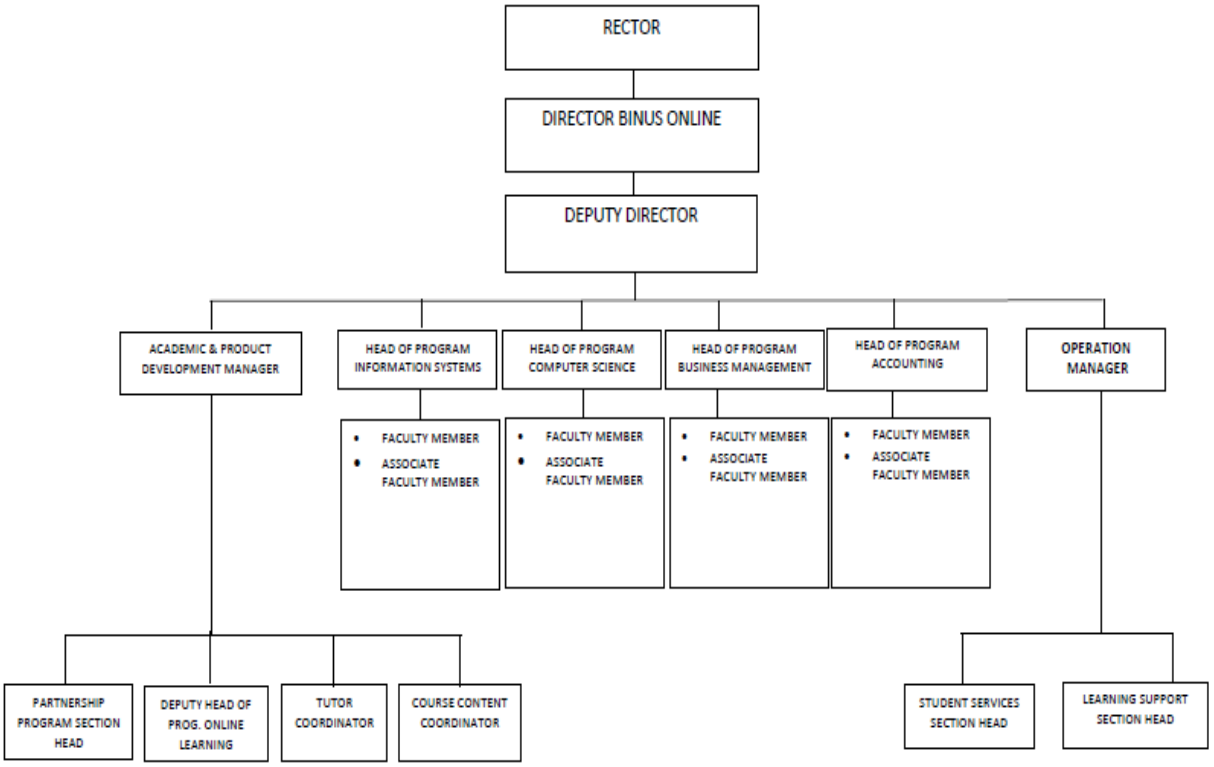
To broaden the access of learning, in higher education program and to help individuals to achieve their educational and career goals, by providing flexible delivery with high academic quality to empower the community.

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, Kemanggisan/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 Bridging Campus

Plaza Summarecon Bekasi, Lantai 6, Jl. Bulevar Ahmad Yani, Jawa Barat 17143

Tel: (+62-21) 292-85598

Fax: (+62-21) 292-85596

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 UndergraduateScore 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 Disctinction
A-	3.67	85 – 89	
B+	3.33	80 – 84	
B	3	75 – 79	Disctinction
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 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.

6.8 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.)

6.9 Programs

6.9.1 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 the information and communication technology in developing global business competencies.
9. Able to apply a critical thinking on current business management case using the economic science and quantitative business.
10. Able to apply an integrated marketing and business strategies in a global business environment.

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

Sem	Code	Course Name	SCU	Total
1	MGMT6072	Introduction to Management and Business	4	18
	MATH6102	Business Mathematics	4	
	MKTG6113	Marketing Management	4	
	STAT6110	Business Statistics	4/2	
2	CHAR6019	Character Building: Pancasila	2	18
	ECON6030	Microeconomics	4	
	ISYS6295	Management Information Systems	4	
	ACCT6172	Introduction to Accounting	4	
	ENGL6163	English Professional	4	
3	CHAR6020	Character Building: Kewarganegaraan	2	20
	ECON6031	Macroeconomics	4	
	MKTG6127	Retail and merchandising	4	
	MGMT6157	Human Resources Management	4	
	FINC6046	Financial Management	4	
	COMM6263	Business Communication	2	
4	CHAR6021	Character Building: Agama	2	20
	ECON6032	Managerial Economics	4	
	MGMT6159	Operational Management	4	
	ACCT6173	Managerial Accounting	4	
	LAWS6095	Legal Aspect in Economic	2	
	BUSS6048	International Business	4	
5	MGMT6158	Cross Cultural Management	2	18
	MGMT6161	Sustainability Management	4	
	MGMT6162	Change Management	4	
	MGMT6160	Global Supply Chain Management	4	
	ENTR6081	Entrepreneurship	4	
6	ISYS6296	e-Business System	4	20
	ISYS6426	e-Corporate Strategy and Management	6	
	MKTG6115	e-Marketing Management	4	
	MKTG6116	e-CRM	4	
	LANG6031	Indonesian	2	

Sem	Code	Course Name	SCU	Total
7	MKTG6117	Entrepreneurial Marketing	4	22
	ENTR6100	Managing Entrepreneurial Organization and Leadership	6	
	ENTR6053	Entrepreneurial Finance	4	
	ENTR6055	Business Plan	4	
	RSCH6023	Research Methodology	4	
8	BUSS6049	Managing Innovation	4	10
	RSCH6024	Thesis	6	
				Total Credit 146 SCU

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

No	Code	Course Name	Minimum Grade
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	MKTG6113	Marketing Management	C
4	ECON6030	Microeconomics	C
5	MGMT6157	Human Resources Management	C
6	FINC6046	Financial Management	C
7	MGMT6161	Sustainability Management	C
8	ISYS6296	e-Business System	C

6.9.2 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 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 systems 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 to perform management, integration and added value on the results of data analysis to produce high quality information to the organization's needs, especially in business management in retail.
7. Able to identify the needs and design the proposed business processes and ICT systems, considering the principles of management in business management in retail.

8. Able to perform a feasibility study and evaluation to produce the alternative solutions of information systems development for business management in retail.

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.

The curriculum for the next four years 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, Business Fundamentals, Statistics, Research Methodology

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	
	ISYS6225	Management Information Systems	4	
	COMP6223	Introduction to Programming	2/2	
2	ISYS6304	Business Application Development	2/2	20
	ISYS6306	Information Systems Analysis and Design	2/2	
	ISYS6302	Information System Development	2/2	
	ISYS6303	Introduction to Database Systems	2/2	
	ENGL6163	English Professional	4	
3	CHAR6019	Character Building: Pancasila	2	20
	STAT6111	Statistics	2	
	ISYS6305	Enterprise System	4	
	ISYS6310	Information Systems Project Management	4	
	ISYS6307	Data and Information Management	4	
	ISYS6313	Analytical Information System	4	
4	CHAR6020	Character Building: Kewarganegaraan	2	20
	ISYS6308	User Experience	2/2	
	ISYS6427	Testing and System Implementation	6	
	ISYS6311	Advanced Information System Analysis and Design	4/2	
	ISYS6314	Information System Security	2	
5	CHAR6021	Character Building: Agama	2	22
	MKTG6125	Retail and Merchandising	4	
	ISYS6316	Enterprise Architecture	4	
	ISYS6334	Information Systems Audit Fundamental	4	
	ENTR6081	Entrepreneurship	4	
	MGMT6170	Business Quantitative Method	4	
6	ISYS6317	Business Process Management	4	18
	ISYS6333	Data & Text Mining	4	
	ISYS6318	e-Business Concept	4	
	MKTG6126	Customer Relationship Management	4	
	STAT6112	Research Methodology	2	
7	ISYS6428	Advanced Topics in Information Systems	6	20
	MGMT6160	Global Supply Chain Management	4	
	LANG6031	Indonesian	2	
	ISYS6332	Data Warehouse	4	
	ISYS6323	Management Support System	4	
8	ISYS6327	Thesis	6	6
Total Credit 146 SCU				

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

No	Code	Subject	Grade minimal
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	ISYS6305	Enterprise System	C
4	ISYS6306	Information System Analysis and Design	C
5	ISYS6307	Data and Information Management	C
6	ISYS6310	Information Systems Project Management	C
7	ISYS6316	Enterprise Architecture	C
8	ISYS6332	Data Warehouse	C

6.9.3 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 by applying database system principles design to solve structured and semi-structured problems.
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 implement a network computing based application.
5. Able to design a process to evaluate the utility of management information system.
6. Able to create conceptual software for analyzing human-computer interaction: affordance, conceptual model, and feedback.

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 Machineries), 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	MATH6077	Discrete Mathematics	4	20
	COMP6112	Algorithm and Programming	4/2	
	ENGL6163	English Professional	4	
	COMP6124	Program Design Methods	4	
	CHAR6019	Character Building: Pancasila	2	
2	CHAR6020	Character Building: Kewarganegaraan	2	20
	COMP6118	Data Structures	4/2	
	MATH6078	Linear Algebra	2	
	COMP6123	Object Oriented Programming	2/4	
	COMP6149	Human and Computer Interaction	2/2	
3	COMP6125	Advanced Object Oriented Programming	2/4	22
	MATH6079	Calculus	4	
	COMP6127	Algorithm Design and Analysis	4	
	COMP6199	Software Engineering	6	
	COMP6148	Programming Language Concepts	2	
4	CHAR6021	Character Building: Agama	2	22
	COMP6274	Multimedia Systems	2/1	
	ISYS6213	Database Systems	4/2	
	COMP6275	Artificial Intelligence	4	
	CPEN6097	Computer Networks	2/2	
	ISYS6218	Database Design	2/1	
5	ISYS6238	Database Administration	2/2	19
	COMP6276	Compilation Techniques	4	
	COMP6282	Web Programming	2/1	
	COMP6278	Object Oriented Analysis and Design	2/2	
	COMP6285	Operating System	2/2	
6	ENTR6081	Entrepreneurship	4	20
	COMP6283	Object-Oriented Database	2/2	
	COMP6277	Geographic Information System	2/2	
	COMP6287	Framework Layer Architecture	2/2	
	COMP6284	Code Reengineering	4	
7	ISYS6219	Data Warehouse	2/1	15
	RSCH6003	Research Methodology	2	
	LANG6031	Indonesian	2	
	COMP6299	Pattern Software Design	2/2	
	ISYS6281	Data Mining	2/2	
8	COMP6334	Probability and Statistics	2	8
	COMP6288	Thesis	6	
Total Credit 146 SCU				

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

No	Code	Subject	Grade Minimal
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	COMP6112	Algorithm and Programming	C
4	COMP6124	Program Design Methods	C
5	COMP6118	Data Structures	C
6	COMP6199	Software Engineering	C
7	ISYS6213	Database Systems	C
8	ISYS6218	Database Design	C

6.9.4 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 offer 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 utilize the latest technology that can help the process of preparing and auditing financial reports in accordance with Global Generally Accepted Auditing Standards.
7. Able to arrange taxation reports of individual and corporate taxpayers in accordance with the taxation laws and regulations.
8. Able to solve the tax problems with the right solution in accordance with the taxation laws and regulation.
9. Able to prepare investment analysis and give recommendation based on the results of investment analysis for business purposes and decision-making.
10. Able to apply knowledge of accounting information systems auditing and accounting information systems environment based on the COSO and COBIT standards.
11. Able to apply the principles of entrepreneurship, ethics and social responsibility in order to contribute to the professional organizations at the local, national, and international.

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	20
	LAWS6113	Introduction to Commercial and Private Laws	2	
	ACCT6127	Introduction to Accounting I	4/2	
	MGMT6058	Introduction to Management and Business	4	
	CHAR6020	Character Building: Kewarganegaraan	2	
	ENGL6163	English Professional	4	
2	CHAR6021	Character Building : Agama	2	20
	ACCT6128	Introduction to Accounting II	4/2	
	FINC6034	Introduction to Money & Capital Market	2	
	TAXN6022	Taxation I	4	
	COMP6109	Introduction to Computer & Accounting Application	2	
	ENTR6081	Entrepreneurship	4	
3	ACCT6252	Economics Theory	4	22
	ACCT6130	Cost Accounting	4	
	ACCT6188	Intermediate Accounting I	4/2	
	ACCT6193	Research Methodology in Accounting and Finance	4	
	TAXN6024	Taxation II	4	
4	FINC6050	Corporate Financial Management	4	24
	ACCT6131	Managerial Accounting	4	
	ACCT6191	Accounting Information System and Internal Control	4/2	
	ACCT6189	Intermediate Accounting II	4/2	
	TAXN6023	Advanced Taxation	4	
5	ACCT6253	Financial Audit	6	18
	ACCT6136	Accounting for Government and Non-Profit Organization	2	
	FINC6087	Financial Modeling Laboratory	2	
	MGMT6146	Strategic Management	4	
	ACCT6137	Advanced Accounting I	4	
6	LANG6031	Indonesian	2	20
	ACCT6238	International Accounting	6	
	FINC6088	Financial Accounting: Analysis and Reporting Incentives	4	
	ACCT6182	Management Control System	4	
	ACCT6178	Advanced Accounting II	4	

Sem	Code	Course Name	SCU	Total
7	ACCT6186	Fraud Auditing	4	14
	ACCT6179	Method and Practice of Auditing & Computerized Audit	4	
	ACCT6194	Ethics and Corporate Governance	4	
	ACCT6183	Current Issues in Accounting and Finance	2	
8	ACCT6181	Accounting Theory	2	8
	ACCT6187	Thesis	6	
Total Credit 146 SCU				

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

No	Code	Course Name	Grade minimal
1	CHAR6019	Character Building: Pancasila	B
2	ENTR6081	Entrepreneurship	C
3	TAXN6023	Advanced Taxation	C
4	ACCT6131	Managerial Accounting	C
5	FINC6088	Financial Accounting: Analysis and Reporting Incentives	C
6	ACCT6189	Intermediate Accounting II	C
7	ACCT6253	Financial Audit	C
8	ACCT6186	Fraud Auditing	C

6.9.5 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 must 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	

Sem	Code	Course Name	SCU	Total
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	ISYE6092	System Engineering & Analysis	4	24
	STAT6126	Probability Theory	2	
	ISYE6093	Human-Integrated Systems	2/2	
	SCIE6044	Physics II	4/2	
	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
	ISYE6149	Ethics & Technical Competencies in Industrial Engineering	8	
	ISYE6150	Industrial Practice	8	
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	
	ISYE6128	Final Project	8	
Total Credit 146 SCU				

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

No	Code	Course Name	Grade minimal
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

6.10 Course Description

SUBJECT AREA: ACCT

ACCT6127 - INTRODUCTION TO ACCOUNTING I (4/2 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.

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, Liabilities, Corporations: Organization, Share Transactions, Dividends, and Retained Earnings.

ACCT6128 - INTRODUCTION TO ACCOUNTING II (4/2 Credits)

Learning Outcomes: Explain the accounting methods/treatments for Liabilities and Equity in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Apply the accounting methods/treatments for Liabilities and Equity in accordance with Financial Accounting Standards (SAK) and International Financial Reporting Standards (IFRS); Prepare the basic income statement, financial position statements, and statement of cash flow; Analyze company's financial statement.

Topics: Liabilities, Corporations: Organization and Capital Stock Transactions, Corporations: Dividends, Retained Earnings, and Income Reporting, Investments, Income Statement and Related Information, Statement of Financial Position, Statement of Cash Flows, Financial Statement Analysis.

ACCT6130 - COST ACCOUNTING (4 Credits)

Learning Outcomes: Explain the role of cost accounting, cost concepts and cost accounting information system in business organization; Calculating the cost of goods manufactured by using various methods; Explaining the planning process and cost controlling; Create the financial statement for manufacturing company.

Topics: Financial Accounting versus Cost Accounting; Cost Concepts and the Cost Accounting Information System; Cost Behavior Analysis; Cost System and Cost Accumulation; Job Order Costing; Process Costing; The Cost of Quality and Accounting for Production Losses; Costing By-Product and joint Product; Materials: Controlling, Costing, and Planning; Just-In-Time and Back flushing; Labor: Controlling and Accounting for Costs; Factory Overhead: Planned, Actual and Applied; Factory Overhead: Departmentalization.

ACCT6131 - MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: Describe the role of management accountants in an organization and cost concept; Calculate cost behavior, cost volume profit relationship and Variable costing; Prepare master budget, flexible budget and Balanced Score Card; Analyze Differential Cost for decision making.

Topics: Managerial Accounting and the Business Environment, 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, Master Budgeting, Flexible Budgets and Performance Analysis, Performance Measurement in Decentralized Organizations, Differential Analysis: The Key to Decision Making.

ACCT6136 – ACCOUNTING FOR GOVERNMENT AND NON-PROFIT ORGANIZATION (2 Credits)

Learning Outcomes: Explain the characters and types of government and nonprofit organization; Explain the objective, characteristic and types of financial statement for government and nonprofit organization; Demonstrate the accounting process of government and nonprofit organization; Prepare a financial statement of government and nonprofit organization.

Topics: Environment and characteristics of government and nonprofit organization; financial reporting standard for government and nonprofit organization; types, activity and funding of University and Public Hospital; goal and characteristics of University and Public Hospital accounting; Revenue accounting of University and Public Hospital; Illustration of University and Hospital accounting; Budgeting for Central and Local Government; Accounting System for Central and Local Government and Financial Reporting for Local and Central Government.

ACCT6137 - ADVANCED ACCOUNTING I (4 Credits)

Learning Outcomes: 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

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.

ACCT6173 - MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: Describe the role of management accountants in an organization and cost concept; Calculate cost behavior, cost volume profit relationship and Variable costing; Prepare master budget, flexible budget and Balanced Score Card; Analyze Differential Cost for decision making.

Topics: Managerial Accounting and the Business Environment, 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, Master Budgeting, Flexible Budgets and Performance Analysis, Performance Measurement in Decentralized Organizations, Differential Analysis: The Key to Decision Making.

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.

ACCT6178 - ADVANCED ACCOUNTING II (4 Credits)

Learning Outcomes: Explain the concept of business combination, concept of control, and concept of group reporting; Apply the consolidated financial statement, the elimination principles of intergroup 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 reorganization.

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.

ACCT6179 - METHOD AND PRACTICE OF AUDITING & COMPUTERIZED AUDIT (4 Credits)

Learning Outcomes: Prepare audit working paper, performing audit testing and preparing audit report and summary of audit adjustment, Perform control testing procedure and substantive audit procedures manually and using CAATSs; 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.

Topics: Audit planning and engagement letter, preparing audit program, preparing audit working papers, performing control testing and substantive testing, preparing summary of audit adjustment and drafting audit report using CAATs.

ACCT6181 - ACCOUNTING THEORY (2 Credits)

Learning Outcomes: 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.

ACCT6182 - MANAGEMENT CONTROL SYSTEM (4 Credits)

Learning Outcomes: 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.

ACCT6183 - CURRENT ISSUES IN ACCOUNTING AND AUDITING (2 Credits)

Learning Outcomes: Gain exposures and deep discussions about current issues of accounting, auditing, finance, and capital market.

Topics: Good Corporate Governance; Corporate Sustainability Report or Corporate Social Responsibility; The affects of IFRS in Indonesian accounting practices; Intellectual Capital; Corruption and Culture of a Nation; Corporate Risk Management; Roles of CPA in Capital Market; Expert system in business process; Knowledge Management Systems; Tax Management; Tax Regulation; Other hot current issues.

ACCT6186 - FRAUD AUDITING (4 Credits)

Learning Outcomes: Explain fraud examination methodology, Identify Problems fraudulent financial schemes, Develop action to prevent and/ or detect financial fraud, Explain kind of various fraudulent modus, distinguish the types of individual and corporate fraud; Demonstrate techniques to find fraud.

Topics: The Nature of Fraud; Why People Commit Fraud?; Fighting Fraud: Overview; Preventing Fraud; Recognizing the Symptoms of Fraud; Data Driven Fraud Detection; Investigating Thief Act; Investigating Concealment; Conversion Investigating Fraud; Financial Statement Fraud; Revenue and Inventory Related Financial Statement Fraud; Liability, Asset, and Inaquate Disclosure Frauds; Fraud Against Organizations; Consumers Fraud; Bankruptcy, Divorce, and Tax Fraud; Fraud in E-Commerce.

ACCT6187 – THESIS (6 Credits)

Learning Outcomes: Apply their knowledge and skills, which have been learned in the form of written research.

Topics: Financial/operational auditing; EDP auditing; Accounting system; Accounting information system; Accounting theory; Cost accounting; Government accounting; Management accounting; Corporate financial reporting and analysis; Finance management; Management information system; Taxation; Capital market.

ACCT6188 - INTERMEDIATE ACCOUNTING I (4/2 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.

ACCT6189 - INTERMEDIATE ACCOUNTING II (4/2 Credits)

Learning Outcomes: Deferred tax asset and deferred tax liability; Explain strategies could be used both in domestic and international tax planning.

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

ACCT6191 - ACCOUNTING INFORMATION SYSTEM AND INTERNAL CONTROL (4/2 Credits)

Learning Outcomes: Planning; Explain method and concept of transfer pricing; Prepare fiscal reconciliation for tax planning; Calculate.

Topics: Accounting Information System: An Overview; An Overview of Microsoft Visio; Overview of Transaction, Processing and ERP Systems; System Design and Documentation; Data Flow Diagram; System Documentation Technique; Document Flowchart; Computer Fraud; System and Program Flowchart; Control and Accounting Information System; Relational Database; The Revenue Cycle: Sales to Cash Collections; Documentation for Revenue Cycle and Internal Control; The Expenditure Cycle: Purchasing to Cash Disbursement; Documentation for Expenditure cycle; The Production Cycle; Documentation for Production cycle; The Human Resource Management and Payroll Cycle; Documentation for HRM and Payroll cycle; General Ledger and Reporting System; Database Design Using the REA Data Model.

ACCT6193 - RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE (4 Credits)

Learning Outcomes: 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 Research; Problem Statement; Critical Literature Review; Theoretical Framework and Hypothesis Development; Element of Research Design; Data Collection Methods; Interview, Observations, Measurement : Variable, Scaling, Reliability and Validity; Sampling; Quantitative and Qualitative analysis; Research Report and Proposal.

ACCT6194 - ETHICS AND CORPORATE GOVERNANCE (4 Credits)

Learning Outcomes: Identify and explain various theories of ethics and common business ethics issues in both local and international contexts; Analyze important corporate governance issues and their causes and consequences, with an emphasis of emerging markets and transitional economies; Explain the role and mechanism of corporate structure, shareholders ownership, monitoring and performance.

Topics: Ethics and Professional Ethics; Theories of Ethics; Code of ethics for Professional Accountants; the effects of institutional factors on corporate governance, corporate ownership structures and managerial incentives, corporate governance issues of different organizational forms, various corporate governance mechanisms adopted for enhancing corporate governance, and the effects of corporate governance in accounting.

ACCT6238 - INTERNATIONAL ACCOUNTING (6 Credits)

Learning Outcomes: 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 with holding 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 CurrencyFinancial Statements; International Corporate Social Reporting; International Taxation; International Transfer Pricing; Strategic Accounting Issues in Multinational Corporations; Comparative International Auditing and Corporate Governance.

ACCT6252 - ECONOMICS THEORY (4 Credits)

Learning Outcomes: 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; Aggregate Demand in the Goods and Money Markets; Aggregate Supply in the Goods and Money Markets; International Trade and Open-Economy Macroeconomics.

ACCT6253 - FINANCIAL AUDIT (6 Credits)

Learning Outcomes: Explain audit environment on which auditors apply their professional audit; Explain audit process and audit program according to auditing standard; Explain how internal control apply and importance of internal control understanding in company; professional ethics and accountant legal liability; Prepare audit planning for financial statement audit; Prepare audit program and audit working paper for supporting document to formulate proper audit opinion.

Topics: Auditing and the Public Accounting Profession-Integrity of Financial reporting; Auditors' Responsibilities and Report; Professional Ethics and Auditor's Legal Liability; Overview of the Financial Statement Audit, Audit Evidence; Accepting the Engagement and Planning the Audit, Materiality Decisions and Performing Analytical Procedures, Audit Risk and Audit Procedures in Response to Assessed Risk; Test of Control, Audit Procedures in Response to Assessed Risk: Substantive Test, Audit Sampling; Review Audit Testing and Audit Sampling; Auditing Revenue cycle and Expenditure cycle; Auditing the Production and Personnel Service Cycles; Auditing the Investing, Financing, Investments and Cash balance; Investments and Cash Balance; Completing the Audit, Post Audit Responsibilities Attest and Assurance Service and Related Reports; Internal, Operational and Governmental Auditing

SUBJECT AREA: ARCH

ARCH6102 - TECHNICAL DRAWING (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Evaluate the function, principle and standard of the technical drawing; Use suitable methods of drawing; Use the knowledge to draw a correct technical drawing.

Topics: Essential Principles in Technical Drawing; Dimensioning, Fits, and Tolerances; Geometrical Construction Drawing; Multi-view Projection Drawing; Sectional View Drawing; Machine Element Drawing.

SUBJECT AREA: BUSS

BUSS6048 - INTERNATIONAL BUSINESS (4 Credits)

Learning Outcomes: Explain the basic terms and concepts that are commonly used in the study of international business; Analyze the different cultural, political, legal, economic, and society forces in the international environment and their impact on international business; Apply the appropriate cross-national analyze in cooperation and agreements, while understanding 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 accounting, multinational finance function, international organization, and human resource management.

Topics: Overview Part 1- An Overview of International Business, The Cultural Environments of International Business, The Political and Legal Environments in International Business, The Economic Systems and Environments in International Business, Globalization, Cross-National Cooperation and Agreements, Global Foreign Exchange Markets and The Determination of Exchange rates, Case Study – Lukoil: Foreign Trade and Investment, The Strategy of International Business & Country Evaluation and Selection, Direct Investment and Collaborative Strategies, The Multinational Finance Function and International Accounting Issues, The Organization of International Business, International Human Resources Management, Case Study 2: Melia Hotels International.

BUSS6049 - MANAGING INNOVATION (4 Credits)

Learning Outcomes: Explain the importance of innovation as a core of business; Explain the importance of understanding and encouraging entrepreneurial creativity, source of innovation, and developing business plan; Analyze creating new products and services, and exploiting new ventures; Analyze intellectual property right, business model, capturing value, and managing entrepreneurship.

Topics: The Innovation Imperative, and Social Innovation, Innovation; Globalization, and Development, Sustainability -led Innovation; Entrepreneurial Creativity, and Sources of Information; Building the Case, Leadership and Team; Developing New Products and Services; Creating New Ventures, Developing Business and Talent through Corporate Venturing; Exploiting Knowledge and Intellectual Property; Business Models and Capturing Value; Learning to Manage Innovation and Entrepreneurship.

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: COMM

COMM6263 - BUSINESS COMMUNICATION (2 Credits)

Learning Outcomes: Illustrate building blocks for effective messages and creating goodwill in business communication, Give examples of how to create letters, e-mail, web writing and to polish them in writing, Demonstrate basic concepts and practices in interpersonal communication, Analyze business research, reports, and visual presentation of research result and job hunting process.

Topics: Business Communication, Management and Success and Adapting Your Message to Your Audience, Communicating Across Culture & You-Attitude, Positive Emphasis & Readers Benefits, Planning, Writing, and Revising & Formats for Letters and E-mail Messages, Informative and Positive Messages; Negative Messages; & Persuasive Messages; Working and Writing in Teams & Planning, Conducting, and Recording Meetings; Designing Documents, Slides, and Screens & Making Oral Presentations; Proposals and Progress Reports; Finding, Analyzing, and Documenting Information; & Short Reports; Researching Jobs & Résumés; Job Application Letters & Job Interviews; Case Study 2: Cases for Communicators "Waterless Wonder!"

SUBJECT AREA: COMP

COMP6109 - INTRODUCTION TO COMPUTER AND ACCOUNTING APPLICATION (2 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: Overview 1 (Microsoft Office Excel 2013) Getting Started with Excel ;Introducing Formulas and Functions; Creating Formulas that Count and Sum; Getting Started Making Charts ;Communicating Data Visually; Overview 2 (Accounting Software – MYOB Premier Version 11); 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.

COMP6112 - ALGORITHM AND PROGRAMMING (4/2 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.

COMP6118 – DATA STRUCTURES (4/2 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.

COMP6123 - OBJECT ORIENTED PROGRAMMING (2/4 Credits)

Learning Outcomes: 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 to C++, Class & Object, Constructor and Destructor, Data and Function Specifies, Reference, Pointer and Passing Parameters, Overloading Operators, String Class, Inheritance & Composition, Generic Programming, Polymorphism.

COMP6124 - PROGRAM DESIGN METHODS (4 Credits)

Learning Outcomes: 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 and Pseudocode, Developing an Algorithm; Selection and Repetition Control Structure; First steps in Modularization; Communication Between Modules, Cohesion, and Coupling; Introduction to Object Oriented and Use Case; Activity Diagram; Class Relationship and Class Diagram; Identifying Functionality : CRC Cards and State Diagrams; Interaction Diagram; Implementation Diagram.

COMP6125 - ADVANCED OBJECT ORIENTED PROGRAMMING (2/4 Credits)

Learning Outcomes: Be exposed to technology and business trends impacting mobile applications; Be competent with the characterization and architecture of mobile applications; Be competent with understanding enterprise scale requirements of mobile applications; Be competent with designing and developing mobile applications using one application development framework.

Topics: Characteristics of mobile applications; History of mobile application frameworks; Overview of mobile application development languages Objective-C and Java; Application models of mobile application frameworks; User-interface design for mobile applications; Managing application data; Integrating with cloud services; Integrating networking, the OS and hardware into mobile-applications; Addressing enterprise requirements in mobile applications – performance, scalability, modifiability, availability and security; Testing methodologies for mobile applications; Publishing, deployment, maintenance and management.

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.

COMP6148 - PROGRAMMING LANGUAGE CONCEPTS (2 Credits)

Learning Outcomes: Understand the concepts and abstractions used by high-level programming languages; Understand how these concepts are implemented in specific languages; Be exposed to diverse programming languages and paradigms; Distinguish between the “essence” and the “arbitrary” of programming languages.

Topics: name binding, scope, control flow, data types, type systems, object orientation, scripting languages, functional languages, and possibly runtime systems, polymorphism and concurrency.

COMP6149 - HUMAN AND COMPUTER INTERACTION (2/2 Credits)

Learning Outcomes: 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; Establishing Requirements; Data Analysis, Interpretation, and Presentation; Design , Prototyping and Construction; Basic and Advanced Evaluation.

COMP6199 - SOFTWARE ENGINEERING (6 Credits)

Learning Outcomes: Demonstrate the procedure of converting a valid software design into efficient code; Apply the concepts of Software Process and Model and State the requirements for efficient Project Management; Execute the needed steps in Software Design: Requirements, Specification, Architectural Design, and OOD; State the steps involved in Program Verification, Validation and thorough Software Test; Apply the procedures for Software Quality Assurance and Cost Estimation; Identify issues involved with Legacy Systems, Re-engineering, and Configuration Management.

Topics: Introduction to Software Engineering, Critical Systems, Software Processes, Project Management, Software Requirements, Requirements Engineering, System Models, Formal Specifications, Distributed Systems, Application Architecture, Object Oriented Design, User Interface Design, Rapid Software Development, Verification and Validation/Testing, Managing People.

COMP6223 - INTRODUCTION TO PROGRAMMING (2/2 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.

COMP6274 - MULTIMEDIA SYSTEMS (2/1 Credits)

Learning Outcomes: Analyze data compression algorithms; Analyze various components of image, video, audio compression; Analyze various packet recovery, adaptive playout, and congestion avoidance strategies; Explain the operation of media access control (MAC) network protocol layer for WLANs; Explain the design of an embedded system with functional requirements for hardware and software components including processor, networking components, and sensors.

Topics: Introduction to multimedia systems Audio/image/Video representation, Compression basics, Image compression (JPEG), Video compression (MPEG, Audio compression (MP3), Multimedia networking, Multimedia embedded systems.

COMP6275 - ARTIFICIAL INTELLIGENCE (4 Credits)

Learning Outcomes: Represent the causal structure of a given domain using Bayesian networks and use it to make both quantitative (probabilistic) and qualitative inferences; Given a simple version of a problem such as object

recognition or text categorization, implement a bayesian network that solves the problem and explain how learning takes place in the bayesian network; Identify the steps in natural language processing, list some of the problems in understanding and generation, and describe how information retrieval, information extraction, and language translation systems work; Choose an appropriate method for robot navigation and justify its choice over other methods such as exhaustive search and exact inference; Recognize when a problem is not amenable to a traditional programming (e.g., procedural, object-oriented, etc) solution, but might be amenable to knowledge-based or learning-based methods.

Topics: Introduction, Rational Agents, Search, Reasoning, Probability and Bayesian Networks, Statistical Learning and Spam Filtering, Probabilistic Reasoning over Time, Statistical Learning, Natural Language Processing, Computer Vision, Robotics.

COMP6276 - COMPILATION TECHNIQUES (4 Credits)

Learning Outcomes: Understanding of the challenges involved in compilation (semantic gap between input and output languages, compiler efficiency and code quality); Understanding of the phases involved in compilation, and knowledge of the techniques applied; Ability to understand design decisions in modern compilers and to justify these; Ability to develop and apply modifications to standard compilation techniques wherever this is necessary; Ability to analyze compilation tasks and to apply standard compilation techniques; Ability to implement standard compilation algorithms and understanding of the challenges involved in compilation for modern architectures and the approaches taken in modern compilers.

Topics: Introduction: structure of a compiler; Lexical analysis: tokens, regular expressions, Lex; Parsing: context-free grammars, predictive and LR parsing, Yacc; Abstract syntax: semantic actions, abstract parse trees; Semantic analysis: symbol tables, bindings, type-checking; Stack frames: representation and abstraction; Intermediate code: representation trees, translation; Basic blocks and traces: canonical trees and conditional branches; Instruction selection: algorithms for selection, RISC and CISC; Liveness analysis: solution of dataflow equations; Register allocation: colouring by simplification, coalescing; Advanced

COMP6277 - GEOGRAPHIC INFORMATION SYSTEM (2/2 Credits)

Learning Outcomes: Understand the fundamental concepts of geographic information systems and their differences from other types of information systems; Utilize modern industry-standard GIS software for conducting basic GIS analyses and producing cartographic output; Conduct studies typically carried out in GIS including site selection, analysis of spatial/temporal processes, geocoding and point pattern analysis, and corridor studies.

Topics: GIS Fundamentals ; ArcGIS Software and ArcMap; Customer Characteristics and DayCare Location; Terrestrial Data Structures; GIS Data Structures; Texas Population Demographics; Data Quality; Data Input-Internet Acquisition; Geocoding; Data Input—Preparation and Integration; Data Editing and Topological Structures; Analysis and Modeling in GIS; Creating a Layer; Pipelines through the City.

COMP6278 - OBJECT ORIENTED ANALYST DESIGN (2/2 Credits)

Learning Outcomes: Explain and illustrate the fundamental concepts of object orientation; To introduce basic concepts of object-oriented analysis and design; To study the main features of the software development process in an object-oriented framework; To provide exposure to Visual Object Oriented Modeling languages, specifically UML (Unified Modeling Language); Read, verify, and validate a given specification presented in UML; Given a system requirements description, produce a specification and implementation using UML.

Topics: Introduction Object Oriented Analysis and Design; Defining Models; Case Study; Requirement Process; Use Cases; Object Oriented Development Cycle; Overview of the Unified Modeling Language: UML Fundamentals

and Notations; Building Conceptual Model; Adding Associations and Attributes; Representation of System Behavior; Analysis to Design; Describing and Elaborating Use Cases; Collaboration Diagram; Objects and Patterns; Determining Visibility; Class Diagram

COMP6282 - WEB PROGRAMMING (2/1 Credits)

Learning Outcomes: Utilize a variety of basic programming structures (variables, loops, functions etc.)In a popular scripting environment on a web server; Create scripts that dynamically generate web pages containing valid html (hypertext markup language) clearly separating structure, presentation, and behaviour in the web browser; Develop scripts that validate form input on the server; Design, program, and implement web pages that interact with web-enabled databases performing simple crud (create, read, update, delete) operations; Identify the different issues faced by web developers such as security, file management, and web standards-compliancy.

Topics: Technical review of the Internet and web applications; Overview of static and dynamic web pages; Overview of server-side and client-side programming; Dynamic web pages; Server-side scripting with inline code using procedural programming techniques; Programming web forms that connect with web-enabled databases and perform basic CRUD operations; Languages and tools used in server-side programming Server-side programming resources on the Web; Form input validation on the server-side; Basic security considerations, file permissions, and simple session management.

COMP6283 - OBJECT-ORIENTED DATABASE (2/2 Credits)

Learning Outcomes: Get a good insight into differences and similarities between object handling and other forms of database handling; From a given concrete problem, be able to model and implement an object oriented database; Be able to understand problems related to object oriented database systems; Be able to analyze an object oriented database system.

Topics: Handling of non-normalized structures; Object management systems; Persistent programming; Object database management systems; Prototypes and user interfaces; Problems related to temporal and spatial aspects; Existing systems; An overview of commercial as well as academic systems.

COMP6284 - CODE REENGINEERING (4 Credits)

Learning Outcomes: 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.

COMP6285 - OPERATING SYSTEM (2/2 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.

COMP6287 - FRAMEWORK LAYER ARCHITECTURE (2/2 Credits)

Learning Outcomes: Students will be able to utilize the .NET framework to build distributed enterprise applications; Students will be able to develop ASP.NET Web Services, secure web services, and .NET remoting applications; Students will be able to understand the protocols behind web services including: SOAP, DISCO, and UDDI; Students will be able to understand the 3-tier software architecture (presentation/client tier, application tier, data tier) and develop multi-tier applications; Students will be able to develop web applications using a combination of client-side (JavaScript, HTML, XML, WML) and server-side technologies (ASP.NET, ADO.NET); Students will be able to develop network applications using state-of-the-art RPC technologies including: .NET remoting, and Web Services (SOAP).

Topics: Introduction to Networking and the world wide web; Building multi-tier enterprise applications; Introduction to the .NET framework; .NET Interoperation services; Client side programming: HTTP, CGI, Cookies, JavaScript, HTML, XML; Server side programming: Web Forms, ASP.NET Web Services, ADO.NET Data Access; Client/Server Programming, 3-tier architecture; .NET Remoting; ASP.NET Web services and web service security; Simple Object Access Protocol (SOAP) and Web Services; SOAP, DISCO, and UDDI.

COMP6288 – THESIS (6 Credits)

Learning Outcomes: To apply knowledge and understanding of computer science and software engineering to analysing problems, creating and evaluating solutions, and critically assessing your own work. Student should also be able to prepare project plans, give presentations, and write reports.

COMP6299 - PATTERN SOFTWARE DESIGN (2/2 Credits)

Learning Outcomes: Explain the reasoning for each object oriented design principle; Provide a specific context for each pattern in which it can be applied and Draw a high level class diagram; Explain how the different components of the pattern collaborate with each other; List the consequences of applying each pattern to the overall software quality of a system; Implement this pattern in Java or C# to a real world problem; Be able to mix patterns with each other and understand the consequences of mixing patterns on the overall quality of a system.

Topics: Strategy, Observer, Factory, Singleton, Command, Adapter, Facade, Template, Method, Iterator, Composite, State, Proxy.

COMP6334 - PROBABILITY AND STATISTICS (2 Credits)

Learning Outcomes: Compute conditional probabilities directly and using Bayes' theorem, and check for independence of events; Understand the law of large numbers and the central limit theorem and Compute the covariance and correlation between jointly distributed variables; Construct estimates and predictions using the posterior distribution; Use null hypothesis significance testing (NHST) to test the significance of results, and understand and compute the p-value for these tests; Use specific significance tests including, z-test t-test (one and two sample), chi-squared test; Compute and interpret simple linear regression between two variables.

Topics: Counting; Random variables, distributions, quantiles, mean variance; Conditional probability, Bayes' theorem, base rate fallacy; Joint distributions, covariance, correlation, independence; Central limit theorem; Bayesian inference with known priors, probability intervals; Conjugate priors; Bayesian inference with unknown priors; Frequentist significance tests and confidence intervals; Resampling methods: bootstrapping; Linear regression.

SUBJECT AREA: CPEN

CPEN6097 - COMPUTER NETWORKS (2/2 Credits)

Learning Outcomes: Describe basic structure of Network; Explain Basic Concept of Network; Explain Concept of Create Network Environment.

Topics: Introduction to Network, TCP/IP Model, Networking Media, Intranet & Extranet, IP Addressing, Classless & Subnetting, Network Protocols, Transport Layer, DNS, Application Layer.

SUBJECT AREA: ECON

ECON6030 – MICROECONOMICS (4 Credits)

Learning Outcomes: Describe of supply, demand, market equilibrium, elasticity and market structure; Explain producers, consumers, and competitive markets; Calculate elasticity, production, cost production and market equilibrium; Analyze case according of subject microeconomics theory.

Topics: The basic of supply and demand, Consumer behavior, Production and cost, Profit maximization and competitive supply, The analysis of monopoly and monopsony market, Monopolistic Competition, Oligopoly and game theory, Markets for factor inputs, Financial market, Uncertainty and asymmetric Information.

ECON6031 – MACROECONOMICS (4 Credits)

Learning Outcomes: Recognize the national income, unemployment, financial market, interest rate, inflation rate, and exchange rate; Understand and calculate the macroeconomic situations of economies that are closed and those that are open; Analyze the effects of government policies such as fiscal policy and monetary policy.

Topics: Introduction to Macroeconomics, National Income Accounting, The Goods Market, Financial Markets, AD-AS Model, Technology and Economic Growth, Unemployment and Phillips Curve, Monetary Policy in Open Economy, Fiscal Policy in Open Economy, International Linkages.

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.

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 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 Moneter 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

ENTR6053 - ENTREPRENEURIAL FINANCE (4 Credits)

Learning Outcomes: Explain entrepreneurial finance; Prepare financial planning and measuring new venture operations; Estimate financial projections; Structuring financing for the growing venture; Formulate exit and turn around strategies.

Topics: Introduction and Overview & From Idea to the Business Plan, Organizing and Financing a New Venture, Measuring and Evaluating Financial Performance, Financial Planning: Short Term and Long Term, Types and Costs of Financial Capital, Securities Law Considerations when Obtaining Venture Financing, Valuing Early Stage Ventures & Venture Capital Valuation Method, Professional Venture Capital and Other Financing Alternative, Security Structures and Determining Enterprise Values, Harvesting the Business Venture Investment & Financially Troubled Ventures.

ENTR6055 - BUSINESS PLAN (4 Credits)

Learning Outcomes: Explain the concept of entrepreneurial code, entrepreneurial leaders and entrepreneurial laser; Apply the entrepreneurial leadership in business start-up; Analyze the entrepreneur behaviour as a leader; Formulate the entrepreneurship leadership in business start-up.

Topics: In search of Entrepreneurial Spirit, What they forgot to remember, Breaking the Entrepreneurial Code, Guiding the Entrepreneurial Laser, Explorers: Market-Focused Entrepreneurial Leaders, Miners: Operationally-Focused Entrepreneurial Leaders, Accelerators: Unit-Focused Entrepreneurial Leaders, Integrators: Enterprise-Focused Entrepreneurial Leadership, Buy or Build?, The Problem with Cultural Change, Building the Entrepreneurial Organization, Organizational Readiness.

ENTR6081 – ENTREPRENEURSHIP (4 Credits)

Learning Outcomes: Identify personality of entrepreneurs and innovative business idea, Analize 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.

ENTR6100 - MANAGING ENTREPRENEURIAL ORGANIZATION AND LEADERSHIP (6 Credits)

Learning Outcomes: Explain the importance of understanding the organizational behaviour and organization culture; explain the importance of understanding and managing individual and group behaviour, organizational characteristics, social entrepreneurship and innovation; analyze the organizational processes such as communication in organization, decision making, job design, work and motivation; apply evaluation, feedback and rewards, and how to manage misbehavior, individual stress and conflict and negotiation, power, politics, empowerment and managing innovation; explain the meaning of leadership, managerial roles, and decision; identify the five literacies of global leadership and 50 steps to business success.

Topics: Introduction to organizational behaviour and organizational culture, individual differences and work behaviour, social entrepreneurship and innovation, individual and organizational characteristics, job design, work, and motivation, evaluation, feedback and rewards, manage misbehaviour, individual stress and conflict and negotiation, power, politics, empowerment, communication and decision making, learning and manage innovation, managerial roles and decisions, leadership behaviour, change leadership, traits and skills of leader, contingency theory, cross culture leadership and diversity, five literacies of global leadership (network intelligence and futuring, strategic navigation and deep design, brand resonance) and 50 steps to business success (step 1-50).

SUBJECT AREA: FINC

FINC6034 - INTRODUCTION TO MONEY & CAPITAL MARKET (2 Credits)

Learning Outcomes: Explain the role of financial market in the macro economic situation; Define the capital market instrument and the trading system in the capital market; Define the Islamic Capital market Instrument and The Trading System In Islamic capital Market; Define Money Market As Part Of Financial Market; Explain Money market Instrument and Its Trading Mechanism.

Topics: Definition and History of Capital Market, Regulatory Institution of Capital Market, Marketable Security, Trading Mechanism in Capital Market, Corporate Action and Islamic Financial Market, Introduction To Money Market and Regulatory Institution In Money Market, Money Market Instrument, Foreign Exchange Market, Derivative Product In Money Market.

FINC6046 - FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: Describe Financial Management Process; Calculate Financial Performance; Analyze Financial Planning; Apply Asset Management and Make Capital Budgeting Decisions; Capital Structure and International Managerial Finance.

Topics: Introduction to Managerial Finance, Financial Statement and Ratio Analysis, Time Value of Money, Risk and Return, Valuation of Securities: Interest Rates and Bonds Valuations, Stock Valuation, Capital Budgeting Cash Flows, Cost of Capital, Leverage and Capital Structure, Working Capital and Current Assets Management, International Managerial Finance.

FINC6050 - CORPORATE FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: 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.

FINC6087 - FINANCIAL MODELING LABORATORY (2 Credits)

Learning Outcomes: Describe Spreadsheet Basic 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, Portfolio Risk and Return.

Topics: Introduction to Excel 2010; 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.

FINC6088 - FINANCIAL ACCOUNTING: ANALYSIS AND REPORTING INCENTIVES (4 Credits)

Learning Outcomes: 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; Analyzing 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.(pisah)Managerial Finance: Mergers and Business Failure; Special Topics in Managerial Finance: Derivatives Securities.

SUBJECT AREA: ISYE

ISYE6087 - INTRODUCTION TO MANUFACTURING PROCESSES (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the product's manufacturing process; Integrate engineering principles to design manufacturing processes and systems; Interpret product requirements, manufacturing process capability data, and apply them to select and/or synthesize suitable manufacturing processes.

Topics: Materials and mechanical properties; Taxonomy of manufacturing processes (casting, bulk deformation, sheet metal forming, material removal, polymer, joining, and micro manufacturing methods); Economic modeling and cost analysis; Process selection.

ISYE6091 - ENVIRONMENTAL ENGINEERING (2 Cedits)

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; Describe about 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 and Waste Water Treatment; Hazardous Waste Treatment; Air Pollution; Noise Pollution; Solid Waste and Management; Global Environmental Issue; Environmental Impact Analysis.

ISYE6092 - SYSTEM ENGINEERING & ANALYSIS (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).

ISYE6093 - 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.

ISYE6090 - SUPPLY CHAIN: LOGISTICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the model for industrial logistics problems of its objectives, constraints and decision variables; Design logistics systems of its engineering design method; Distinguish major classes of industrial logistics systems, operations and most significant characteristics; Solve the variants of industrial logistics problems with basic solution algorithms.

Topics: How Logistics Systems Work; Logistics Decision and Further Supply Chain Engineering; Demand Forecasting Methods; Causal Methods; The Constant Trend Case; The Linear Trend Case; The Seasonal Effect Case; Advanced Forecasting Methods; Selection and Control of Forecasting Methods; Transport Fundamentals; Transport Decisions; Planning and Managing Long Haul Freight Transportation; Planning and Managing Short Haul Freight Transportation; Inventory Policy Decisions; Supply Chain Systems and Models; Designing the Logistics Network; Global Logistics Systems.

ISYE6094 - QUALITY ENGINEERING (4 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.

Topics: Introduction to Quality;

Quality Function Deployment; Quality in Production; Managing for Quality; Quality in Procurement; Continuous Improvement of Quality; A System for Quality.

ISYE6095 - E-SUPPLY CHAIN MANAGEMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the business models and strategies of e-business to analyze value chains; Assess and recognize risk and security problem in virtual value chains and the methods available to minimize it; Evaluate and recommend improvements to the design and implementation of an e-SCM strategy for an organization; Appraise the use, abuse, and failure of electronic marketing for generating competitive advantage.

Topics: E-Commerce Standards; Dynamic Transshipment; Electronic Commerce for Supply Chain Management, Automated-Process Systems; Managing Modern E-Services; Service Value Networks; EDI; Cost/Benefit Analysis, Online Transactions, and Security Issues; Electronic Catalogs, Auctions, and Markets; E-Commerce Company Related Experiences; MRO Production Part and Service Buying with E-Commerce; International Business and Legal Issues: ERP Systems; Buyer/Supplier Interfaces; Information Feedback Approach.

ISYE6096 - PRODUCTION & 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 ob 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; Push and Pull Production Control System: MRP, JIT; OperationsScheduling; Facilities Layout and Location; Reliability and Maintainability.

ISYE6098 - SUPPLY CHAIN RISK & NEGOTIATION (4 Cedits)

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; Select 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: Overview of Supply Chain Risk and Negotiation: Sourcing Strategies; Contract Issues and Philosophies; Execution of Competitive Bidding, complex Alliances and Development Relationships; Negotiation plan components, execution, its related costs evaluation, and cross-cultural issues; Quantitative and Qualitative Risk Assessment an; Management-Guest Speaker; New Trends in Risk Management; Customer Insight and Market Analysis; Business Model Environment; Product/ Services Development; Design Process; Prototyping Product/ Service; Evaluating Product/ Services Prototype.

ISYE6099 - SYSTEMS SIMULATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify applications of the discrete-event simulation (DES) approach; Employ discrete simulation models; Estimate statistical distributions during data input process; Analyze output data from simulations and draw conclusion based on the analysis; Summarise major steps in simulation; Prepare simulation project report.

Topics: Introduction to discrete-event system simulation; Simulation examples in spreadsheet; General principles and introduction to a discrete-event simulation software; Introduction to a discrete-event simulation software; Statistics models in simulation; Queueing models; Review materials Chapter 1—6; Simulation project; 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.

ISYE6100 - HEALTH AND SAFETY ENGINEERING (4 Credits)

Learning Outcomes: This course will introduce recognition, control, and regulation of safety hazards in the workplace. Topics include accident investigation, record keeping, facilities needed, and how to solve the problem related to health and safety in workplace. Upon completion, students should be able to recognize safety hazards and recommend strategies to organization.

Topics: Introduction to Occupational Safety Health and Environmental; Legal Aspects of Safety; Hazards and Their Control; Transportation and Materials Handling; 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.

ISYE6128 - FINAL PROJECT (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: 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.

ISYE6149 - ETHICS & TECHNICAL COMPETENCIES IN INDUSTRIAL ENGINEERING (8 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.

ISYE6150 - 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 intrepreting information, proposal and report, analytial report; Oral Presentation.

SUBJECT AREA: ISYS

ISYS6213 – DATABASE SYSTEMS (4/2 Credits)

Learning Outcomes: Describe concepts, terminology, environment, architecture and relational model in database systems; 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 and Relational Model, SQL - Data Definition and Data Manipulation, Security and Administration, Transaction Management, Database System Development Lifecycle, Normalization, Entity-Relationship (ER) Modeling.

ISYS6218 - DATABASE DESIGN (2/1 Credits)

Learning Outcomes: Explain basic database concepts and terminology; Identify information needs within an organization; Construct a conceptual model that reflects these needs and requirement; Transform this conceptualization into a relational data model; Normalize this relational model.

Topics: Overview of databases and database design, Components of a DBMS, Conceptual modeling and E-R diagramming, The relational model, Normalization, Logical modeling, Querying a database (SQL), Issues and Trends in DBMS, Creating a database application.

ISYS6219 - DATA WAREHOUSE (2/1 Credits)

Learning Outcomes: Understanding of database systems and their underlying theory; To be able to improve the decision-making process; Understand the technology of data warehousing; Understand data mining concepts and techniques; Able to develop applications of higher order database systems.

Topics: Data Warehousing concepts; Comparing operational database to data warehouse; Data Warehousing system and components; Data transformation process functions; Online analytical processing (OLAP) and OLAP tools; Data Warehousing applications; Data Mining concepts and techniques.

ISYS6225 - MANAGEMENT INFORMATION SYSTEM (4 Credits)

Learning Outcomes: Use the tight correlation between business and technology; 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: Management Information Systems: Business Driven MIS, Decision and Processes: Value Driven Business, E-business: Electronic Business Value, Ethics and information Security: MIS Business Concerns, Infrastructure: Sustainable Technologies, Case Study 1: Best of the Best of the Best under 25, Networks: Mobile Business, Enterprise Applications: Business Communications, Data: Business Intelligence, System Development and Project Management: Corporate Responsibility, Project: Build Your Own Business, Case Study 2: Can Customer Loyalty be a Bad Thing?.

ISYS6238 - DATABASE ADMINISTRATION (2/2 Credits)

Learning Outcomes: To explain the strategy to manage and monitor the Database Server; To apply SQL Server Features; To apply strategies for Performance Tuning; To develop a plan for Backup and Recovery.

Topics: SQL Server Architecture, Managing and Troubleshooting Data, Securing Database Instance, Optimizing SQL Server, Monitoring SQL Server, Performance Tuning, Database Indexing, Replication and Clustering, Backup and Recovery, SQL Server Reporting Services Administration and Database Administration.

ISYS6281 - DATA MINING (2/2 Credits)

Learning Outcomes: Critically evaluate the value and application of data mining for business and customer relationship management; Critically discuss the variety of methods constituting data mining including data analysis, statistical methods, machine learning and model validation techniques; Understand and apply the foundations of

modeling approaches such as linear regression, linear classifiers, decision tree models and clustering; Communicate technically complex issues coherently and precisely.

Topics: Overview of data mining; Data visualization and pre-processing; Data mining in practice; Models and patterns; Introduction to data mining using SPSS and other software; Classification trees; Predictive modeling; Descriptive modeling; Classification models; Clustering.

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.

ISYS6296 - E-BUSINESS SYSTEM (4 Credits)

Learning Outcomes: 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 corporate.

Topics: Overview of e-Business, E-Business Technology, E-Business Revenue Models, Selling to Consumers Online, Selling to Business Online, Virtual Communities, E-Business Law and Taxation, Infrastructure E-Business, Online Security and E-Payment System, Implementing E-Business Initiatives.

ISYS6297 - E-CORPORATION MANAGEMENT (4 Credits)

Learning Outcomes: Identify information technology in business organization, Explain information technology for business value, Describe information technology for e-Business strategy, Apply information technology for e-Business strategy.

Topics: Understanding information system for organizational, Data, text and document management, Network management and mobility, IT security, crime, compliance and continuity, e-Business and e-Commerce, Mobile computing and commerce, Web 2.0 and social media, Enterprise information systems, Business intelligence and decision support, Business process management and system development.

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.

ISYS6302 - INFORMATION SYSTEM DEVELOPMENT (2/2 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 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.

ISYS6303 - INTRODUCTION TO DATABASE (2/2 Credits)

Learning Outcomes: 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.

ISYS6304 - BUSINESS APPLICATION DEVELOPMENT (2/2 Credits)

Learning Outcomes: Implement OO concepts: encapsulation, inheritance, polymorphism, interfaces, and abstract classes; Use data structure, file I/O and handle exceptions; Develop graphical user interfaces; Develop database application.

Topics: String Manipulation; Array data processing; Date Time Formating; Working with methods; File management; Handle exceptions; Data Structure; Collection in java; Graphic User Interface (GUI); Java database connectivity (JDBC).

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.

ISYS6306 - INFORMATION SYSTEMS ANALYSIS AND DESIGN (2/2 Credits)

Learning Outcomes: Explain Software Development and Systems Analysis and Design; Define User Requirement; Define User Requirement Using Activity Diagram; Draw the User Business Process Using Use Case Diagram; Create Class Diagram from current business process which it already has created in use case diagram; Create a Use Case Description and a Sequence Diagram and Activity Diagram from each Use Case Diagram.

Topics: The Role of System Analyst, From Beginning to End: An Overview of Systems Analysis and Design, Investigating System Requirements, Use Cases, The Traditional Approach to Requirements, Domain Modelling, Extending Requirements Model Ridgeline Mountain Outfitters.

ISYS6307 - DATA AND INFORMATION MANAGEMENT (4 Credits)

Learning Outcomes: Describe concepts, terminology in Distributed database system; Describe concepts, terminology in Object Oriented database system; Understand the role of web and network in database; Construct XML query of SQL that suitable with the problem; Describe concepts, terminology in OLAP.

Topics: Distributed DBMS concept and design, Adv concept, Replication and Mobile Database, Object Oriented DBMS concept, Object Oriented DBMS standard and system, Object Relational DBMS, Web Technology and DBMS, Data Structure and XML, XML, XML Database and Query, OLAP.

ISYS6308 - USER EXPERIENCE (2/2 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 analyze 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 Task flow, Wireframe and Annotation, Prototyping, Design Testing with User, Transition: From design to development.

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.

ISYS6311 - ADVANCED INFORMATION SYSTEM ANALYSIS AND DESIGN (4/2 Credits)

Learning Outcomes: Explain design activities in iterative and agile systems development lifecycle; Design a good user interface and system interface; Design application architecture and software; Identify problem activities and plan and monitor activities in iterative and agile systems development lifecycle; Design databases, system controls, and security; Explain implementation and deployment activities in iterative and agile systems development lifecycle.

Topics: Approaches to System Development, Essentials of Design and the Design Activities, Designing the User and System Interfaces, Object Oriented Design: Principle, Project Planning and Project Management, Use Case

Realization 1, Use Case Realization 2, Database, Controls, and Security, Making the System Operational, Current Trends in System Development.

ISYS6313 - ANALYTICAL INFORMATION SYSTEM (4 Credits)

Learning Outcomes: Understand and able to explain the concepts of analytical information system; Understand and able to explain the concept of business analytics, techniques, types of analytics, analytics tools and its application cases; Understand and able to explain the concept of descriptive, diagnostic, predictive and prescriptive analytics. Analyze the differentiation between those types of analytics; Understand, explain, analyze, design and execute the concepts of analytics implementation and governance; Understand, explain, analyze and implement the concept of advanced analytics system and big data analytics.

Topics: Introduction to Analytical Information System, Analytics, Analysis and Information Continuum, Business Analytics and Its Tools, Descriptive, Diagnostic, Predictive and Prescriptive Analytics, Analytics Design, Analytics Governance, Analytics Implementation I, Analytics Implementation II, Real Time Analytics, Big Data, Hadoop and Cloud Computing.

ISYS6314 - INFORMATION SYSTEM SECURITY (2 Credits)

Learning Outcomes: Understand the technical aspect of information system security; Understand threat and risk of information system and know how to manage them; Understand the standard in information system security.

Topics: Information System Security, Malicious Attacks, Threats, and Vulnerabilities, Protection mechanism: Access Controls, Cryptography, Network Security, Malicious code and Activity, Security Policy and Personnel, Risk management: identifying and Assessing Risk, Risk management: Controlling risk, Auditing, Testing and Monitoring, Security management model and standard.

ISYS6316 - ENTERPRISE ARCHITECTURE (4 Credits)

Learning Outcomes: Describe how EA helps integrate strategy, business, and technology; Demonstrate to design of the EA Cube Framework; Use the purpose of summaries of the current and future architecture; Demonstrate to design enterprise architecture management plan.

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.

ISYS6317 - BUSINESS PROCESS MANAGEMENT (4 Credits)

Learning Outcomes: Explain concept of business process management and architecture; Identify activities for each phases in BPM Framework; Propose the outputs for each phases in BPM Framework.

Topics: Overview of Business Process Management, 7FE Framework Overview, Foundations Phase, Enablement Phase, Launch Pad Phase, Understand Phase, Innovate Phase, People Phase, Develop Phase & Implement Phase, Realize Value Phase & Sustainable Performance Phase.

ISYS6318 - E-BUSINESS CONCEPT (4 Credits)

Learning Outcomes: Explain the concept of e-Business, Describes the development context of e-Business, Explain aspects of e-business, technology and infrastructure, such as e-Business Platform server, Describes e-Business solutions Package.

Topics: Introduction to E-business, Evolution of e-Business, E-Business Development, Forwardness Organization / Company for e-Business, Framework for e-Business Infrastructure and e-Business Strategy, Market for e-Business, ERP (Enterprise Resource Planning), SCM (Supply Chain Management) and E-SCM, CRM (Customer Relationship Management) and E-CRM, EI (Enterprise Application).

ISYS6323 - MANAGEMENT SUPPORT SYSTEM (4 Credits)

Learning Outcomes: Explain the basic concept of Management support systems; Explain management support systems Technologies and tools; Analyze problems related to management support systems for business; Propose a utilization of management support systems for business.

Topics: Management Support Systems and Business Intelligence, Decision Making, Systems, Modeling, and Support, Decision Support Systems Concepts, Methodologies, and Technologies: An Overview, Data Mining for Business Intelligence, Data Warehousing, Business Performance Management, Group Support Systems, Knowledge Management, Management Support Systems: Emerging Trends, Management Support Systems: Impact and Issues.

ISYS6327 – THESIS (6 Credits)

Learning Outcomes: Define the research problems, purpose and scope of research; Define the basic theories and concepts of information systems; Analyze the needs of data and requirements of problems; Design a proposed solutions for the problems.

Topics: Outlines Discussion, Theories Review, Current Condition Analysis and Data Gathering.

ISYS6332 - DATA WAREHOUSE (4 Credits)

Learning Outcomes: Identify 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 data warehouse design and implementation strategy and the reason why data warehouse is the suitable solution.

Topics: Evaluation of Decision Support Systems, The Data Warehouse Environment, The Data Warehouse and Design, Granularity in the Data Warehouse, The Data warehouse and Technology, The Distributed Data Warehouse, External/Unstructured Data and the Data Warehouse, Migration to the Architected Environment, EIS, ERP, Data Warehouse, and the Web, Data Warehouse Design and Building Review.

ISYS6333 - DATA AND TEXT MINING (4 Credits)

Learning Outcomes: Explain the basic concepts of data mining and text mining techniques; Analyze collection of data, text, and techniques for pre-processing the data and text before mining; Analyze case studies and design mining techniques to solve problems by extracting knowledge from data and text; Analyze trends and application related to data and text mining.

Topics: Introduction/Overview of Data Mining and Getting to Know Your Data, Data Pre-processing, Classification: Basic Concepts - Decision Tree Induction, Rule-Based Classification, and Bayes Classification Methods, Mining Frequent Patterns, Associations, Correlations, and Cluster Analysis: Basic Concepts and Methods, Outlier Detection, Data Mining Trends and Research Frontiers, Introduction of Text Mining, Text mining Pre-Processing Technique, Categorization, Clustering, and Information Extraction, Text Mining Application.

ISYS6334 - INFORMATION SYSTEMS AUDIT FUNDAMENTAL (4 Credits)

Learning Outcomes: Define the information system auditing and its control; Explain the information system auditing and its part; Perform the information system auditing in 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 Network, Security Part II: Auditing Database Systems, Systems Development and Program Change Activities, Transaction Processing and Financial Reporting Systems Overview, Introduction to Computer-Assisted Audit Tools and Techniques, Data Structures and CATTs for Data Extraction, Auditing the Revenue Cycle, Auditing the Expenditure Cycle.

ISYS6426 - E-CORPORATE STRATEGY AND MANAGEMENT (6 Credits)

Learning Outcomes: Explain the concept of e-business strategy on value creation and capturing; design the e-business market segmentation; analyze opportunities of new market spaces in e-business; describe information technology for e-business strategy; apply information for e-business 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 mad on the industry structure of e-business companies, internal analysis: e-business competencies as sources of strengths and weaknesses, strategy option in e-business markets, sustaining a competitive advantage overtime, exploiting opportunities, creating and capturing value through e-business strategies, choosing the appropriate strategy for internal organization of e-business activities, choosing the appropriate strategy for interaction with the suppliers, choosing the appropriate e-business strategy for interacting with users, a roadmap for e-business strategy implement, e-business and e-commerce, web 2.0 and social media operation planning and control system, enterprise information system, business intelligence and decision support, IT strategy planning, business process management and system development, global ecology, ethics and social responsibility.

ISYS6427 - TESTING AND SYSTEM IMPLEMENTATION (6 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; Design the project closure and evaluation.

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, Test Management – Closing, Implementation, Project Closure and Evaluation.

ISYS6428 - ADVANCED TOPICS IN IS (6 Credits)

Learning Outcomes: Report applied topics in information system for organization; Proposed applied information system tools/technology for organization.

Topics: Introduction to Advanced Topics in IS, Applied Topic in Information System, Paper Writing for Applied Topics in IS.

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

LAWS6095 – LEGAL ASPECT IN ECONOMIC (2 Credits)

Learning Outcomes: Identify the theory and key concepts of law in economic, Explain the basic principles of legal aspects in economic, Classify the legal aspects relating to economic under Indonesian laws including property and collateral law, company law, contract law, intellectual property rights, consumer protection, industrial relations, capital market, bankruptcy, and alternative disputes resolutions, Analyze the economic problem under the Indonesian laws.

Topics: Introduction to Indonesia Law, Property and Collateral Laws, Law of Obligations and Legal Agreement, Legal Aspects of Companies, Intellectual Property Rights, Industrial Relations, Consumer Protection, Capital Market Law, Bankruptcy Law, Arbitration and Alternative Dispute Resolution.

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.

MATH6078 - LINEAR ALGEBRA (2 Credits)

Learning Outcomes: Solve system of linear equation; Explain Algebraic Matrix Operation; Evaluate Determinant and Inverse Matrix and its application; Define vector operations and its geometric interpretations; Determine Line and Plane equations; Calculate eigenvalues and eigenvectors of matrix and its application.

Topics: Matrix, System of Linear Equations, Determinant of Matrix, Inverse of Matrix, Elementary Row Operations, Vectors, Line Equations, Plane Equations, Eigenvalues and Eigenvectors, Matrix Diagonalization.

MATH6079 – CALCULUS (4 Credits)

Learning Outcomes: Apply the basic concepts of limits, derivative and function of two variables 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, Techniques of Integration, Applications of integral, Infinite series, First-Order ODEs.

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)

Leaning 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.

MATH6121 - 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.

MATH6122 - CALCULUS III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Geometry in Space and Vectors; Solve Several Variables Function; Analyze Multiple Integrals; Evaluate Vector Analysis.

Topics: Geometry in Space and Vectors; Functions of Several Variables; Multiple Integrals; Vector Analysis.

MATH6123 - DETERMINISTIC OPTIMIZATION (4 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; Select and work through proper solution techniques; Use optimization software to conduct analyses and interpret the output; Express recommendations based on solutions, analyses and model's limitations.

Topics: Various Types of LP Models; Graphical Method for two variable LP; Sensitivity Analysis using Graphical Method; Simplex Algorithm; Duality Theory; Sensitivity Analysis; Transportation Problems; Assignment Problems; Transhipment Problems; Network Models; Modeling Integer Programming; Solving Integer Programming.

SUBJECT AREA: MGMT

MGMT6058 - 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 Inovation; Leadership and Motivation; Communication and Foundations of Control; Understanding How Economics Affects Business and Socially Responsibility Behavior; How a Form A Business and Entrepreneurship Starting a Small Business; Production and Operations Management; Marketing: Helping Buyer Buy; Financial Management.

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 Form 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.

MGMT6157 - HUMAN RESOURCES MANAGEMENT (4 Credits)

Learning Outcomes: Explain the basic concept of human resource management; Identify the human resource function; Analyze the human resource functions that match to organizations' need.

Topics: Introduction of HRM, Human Resource Planning, Recruitment & Selection, Training & Development, Performance Management, Career Management, Base Wage & Salary System, Incentives and Benefits, Employee Relations, International HRM.

MGMT6158 - CROSS CULTURAL MANAGEMENT (2 Credits)

Learning Outcomes: Define the basic concept of globalization, culture, and organizational culture; Explain how to manage organization across cultures; Apply the management of organization across cultures into case study; Reflect and analyse the management of organization across cultures in students' workplace.

Topics: Globalization and International Linkages, The Meanings and Dimensions of Culture, Managing Across Cultures, Organization Cultures and Diversity, Cross-Cultural Communication and Negotiation, Management Decision and Control, Motivation Across Cultures, Leadership Across Cultures, Human Resource Selection and Development Across Cultures (Part I), Human Resource Selection and Development Across Cultures (Part II).

MGMT6159 - OPERATIONAL MANAGEMENT (4 Credits)

Learning Outcomes: Identify principles of Operations Management, Describe how products and services are designed by Operations Management, Interpret how products and services are managed by Operations Management.

Topics: Operations, Productivity and The Global Environment and Operations Strategy, Product Design, Quality Management and International Standards, Process Design, Capacity Planning, Location Decisions, Supply Chain Management, Aggregate Scheduling, JIT, Lean Operations, and the Toyota Production System, Maintenance and Reliability Decisions.

MGMT6160 - GLOBAL SUPPLY CHAIN MANAGEMENT (4 Credits)

Learning Outcomes: Explain the concept of Supply Chain Management (SCM); Applying the concept of Supply Chain practically; Analyze the concept of Supply Chain Management to solve economic and business problems.

Topics: Supply Chain Management, Global Dimension of supply chain, Role Of Logistic in Supply Chain, Supply chain performance Measurement and Financial, Supply Chain technology - Managing information Flow, Demand Management, Order management and customer service, Distribution - managing fulfillment operations, Sourcing

materials and services, Managing reverse flows in the supply chain, Strategic challenges and charge for supply chains.

MGMT6161 - SUSTAINABILITY MANAGEMENT (4 Credits)

Learning Outcomes: Define the concept of sustainability management; Explain the major elements of sustainability business management; Analyze planning of business, financing, typical operating and administrative problems, and alternatives for growth or sale related to environment; Arrange the needs for maintaining of all business activities in order to keep the better environment.

Topics: Towards an integrated conceptual framework for corporate social and environmental sustainability, Developing and communicating social capital for sustainable organization and their communities, The Sustainable Firm as An Ethical Construct, Examining the influence of common core virtues in leader-member exchange (LMX): connecting virtue, based leadership traits to sustainable performance in a moderated mediation model, Sustainable marketing in principle and practice, Strategic risk assessment for pursuing sustainable business in the construction industry: diagnostic model, Socially responsible human resource management: a conceptual framework, Sustainable entrepreneurship in family business, Innovation in sustainable business practices: greening the family firm, Appraising corporate sustainability of construction contractors: concepts and approaches.

MGMT6162 - CHANGE MANAGEMENT (4 Credits)

Learning Outcomes: Explain the concept of organization theory and behavior; Describe the concept of strategy development can change management; Identify the model of change management and challenge of change.

Topics: Form trial and error to science of management: the rise of organization theory, Developments in organization theory: form certainty to contingency, Critical perspectives or organization theory: post modernism, realism and complexity, Approaches to strategy: managerial choice and constraints, Applying strategy: models, levels and tools, Approaches to change management, Developments in change management: the emergent approach and beyond, A framework for change: approaches and choices, Organizational change and managerial choice, Management- roles and responsibilities.

MGMT6170 - BUSINESS QUANTITATIVE METHOD (4 Credits)

Learning Outcomes: Explain the concept of quantitative business analysis; Apply mathematic concept properly and mathematical concept in solving 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 Application, Transportation and Assignment Methods, Inventory Control Models, Forecasting Models, Waiting Line and Queuing Theory Models, Project Management, Markov Analysis, Decision Analysis, Simulation Modelling.

MGMT6146 - STRATEGIC MANAGEMENT (4 Credits)

Learning Outcomes: Apply the basic model, the benefits of good strategic management, role and the process of developing vision and mission statements in strategic management; 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 TOWS, SPACE, IE, Grand Strategy, BCG Matrix and QSPM; Design of the business strategy, annual objectives , policies, and implementation-evaluation strategy.

Topics: The Nature of Strategic Management and Business Ethics/Social Responsibility/Environmental Sustainability; The Business Vision and Mission; The External; The Internal Assessment; Strategies In Action; Strategy Analysis and Choice; Implementing Strategies: Marketing, Finance/Accounting, R & D, and MIS Issues; Implementing Strategies: Management and Operations Issues; Strategy Review, Evaluation, and Control; Global/International Issues.

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.

MKTG6115 - E-MARKETING MANAGEMENT (4 Credits)

Learning Outcomes: Define the development of E-Marketing; Describe the E-Marketing Environment; Construct the E-Marketing Strategy; Apply the E-Marketing Management.

Topics: E-Marketing in Context: Past, Present and Future, Strategic E-Marketing and Performance Metrics, The E-Marketing Plan, E-Marketing Environment: Global E-Markets 3.0 and Ethical and Legal Issues, E-Marketing Research and Connected Consumers Online, Segmentation, Targeting, Differentiation, and Positioning Strategies, Product (The Online Offer) and Price (The Online Value), The Internet for Distribution and E-Marketing Communication: Owned Media, E-Marketing Communication: Paid Media and Earned Media, Customer Relationship Management.

MKTG6116 - E-CRM (4 Credits)

Learning Outcomes: Describe conceptual foundation of customer relationship management (CRM); Explain strategic customer relationship management (CRM); Apply the internet and information technology in e-marketing plan and e-CRM; Relate e-marketing plan with customer relationship management.

Topics: Strategic Customer Relationship Management Today, Relationship Marketing and the Concept of Customer Value, Strategic CRM, Implementing the CRM Strategy, Customer Analytics, Data Mining, Using Databases, Software Tools and Dashboards, Loyalty Programs: Design and Effectiveness, Campaign Management & Impact on Marketing Channels.

MKTG6117 - ENTREPRENEURIAL MARKETING (4 Credits)

Learning Outcomes: Define the concept and strategies of entrepreneurial marketing, Explain concept and the way of sustainability marketing; Analyzing entrepreneurial marketing problem in business; Explain extended entrepreneurial marketing strategies to create sustainable value.

Topics: Marketing-Driven Strategy to make Extraordinary Money, Generating, Screening, Developing Ideas and Entrepreneurial Pricing, Leverage Public Relations, Promotion and Viral Marketing to Maximize Sustainable Profitability, Advertising to Build Awareness and Reinforce Messaging and Marketing Enabled Sales, Sales Management to Add Value, Distribution/Chanel Decisions to Solidify Sustainable Competitive Advantage, Create an

Ecosystem to Maximize Product/Service Lifetime Profitability, Entrepreneurial Marketing for Building Teams, Marketing for Financing Activities, Building Strong Brands and Strong Companies.

MKTG6125 - RETAIL AND MERCHANDISING (4 Credits)

Learning Outcomes: Describe the world of retailing; Analyze the retailing strategy; Apply the concept of merchandise management and store management.

Topics: Introduction to The World of Retailing, Types of Retailers & Multichannel Retailing, Customer Buying Behaviour & Retail Market Strategy, Retail Locations, Information System & Supply Chain Management, Customer Relationship Management & Managing The Merchandise Planning Process, Buying Merchandise & Retail Pricing, Retail Communication Mix & Managing The Store, Store Layout, Design & Visual Merchandising, Customer Service.

MKTG6126 - CUSTOMER RELATIONSHIP MANAGEMENT (4 Credits)

Learning Outcomes: 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 Today, Relationship Marketing and the Concept of Customer Value, Strategic CRM, Implementing the CRM Strategy, Customer Analytics, Data Mining, Using Databases, Software Tools and Dashboard, Loyalty Programs, Design and Effectiveness, Campaign Management, CRM issues in The Business-to-Business Context, Customer Privacy Concerns and Privacy Protective Responses.

SUBJECT AREA: RSCH

RSCH6003 - RESEARCH METHODOLOGY (2 Credits)

Learning Outcomes: 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.

RSCH6023 - RESEARCH METHODOLOGY (4 Credits)

Learning Outcomes: Explain the concept of research methodology; Identify the steps in research process; Operate concepts of research methodology.

Topics: Introduction to Research, Research Problem and Literature review, Theoretical framework and hypothesis development, Element of Research design, Data collection methods, Measurement of variables: Operational definition, Sampling, Quantitative data analysis, Qualitative data analysis, The research report.

RSCH6024 – Thesis (6 Credits)

Learning Outcomes: Investigate management research problems and their background; Explain relevant theories in the chosen area; Formulate the appropriate research design.

Topics: Introduction to the Course; The Role of Management Research; Problem Definition; Research Methodology.

RSCH6087 - RESEARCH METHODOLOGY AND APPLIED STATISTIC (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: 1) 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. 2) Estimate the parameters of distribution; Explain the risks in decisions based on sample data concerning long term performance; Use proper statistical techniques for statistical decision making; Use statistical software to conduct analyses and interpret output; Draw the statistical conclusions from experiments and observations.

Topics: Introduction to Research Methodolgy; The Research Process; Measurement of Variables; Measurement: Scaling, Reliability, Validity; Data Collection Methods; Experimental Designs; Sampling; Quantitative Data Analysis; The Research Report.Comparing two populations mean; Discrete data analysis; The analysis of variance; Simple linear regression and correlation; Multiple linear regression and non linear regression; Multifactor experimental design and analysis; Non parametric statistical analysis; Quality control methods; Reliability analysis and life testing.

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.

SCIE6044 - PHYSICS II (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use physics to study other field such as engineering.

Topics: Coulomb's Law; Electric fields; Gauss' Law; Electric potential; Capacitor and capacitance; Electric current; Electric circuits; Magnetic force; Magnetic fields; Induction and Inductance; AC and DC circuits; Electromagnetic waves; Interference; Diffraction; Polarization.

SUBJECT AREA: STAT

STAT6110 - BUSINESS STATISTIC (4/2 Credits)

Learning Outcomes: Familiarity with the concept of data (samples & populations, different types of variables, accuracy); Understand and apply descriptive statistic and statistical inference techniques (including statistical estimation and hypothesis testing) in business situations; Interpret the results of a statistical analysis in the context of a business problem; Interpret computer output to perform statistical techniques.

Topics: Statistic and the frequency distributions, Descriptive Statistics: Numerical Measures, Introduction to probability, Discrete probability distributions, Continuous probability distributions, Sampling and Sampling distributions, Interval estimation, Hypothesis tests, Linear Regressions, Time Series Analysis and Forecasting.

STAT6111 - STATISTIC (2 Credits)

Learning Outcomes: Explain the data and statistics; Calculate the statistical measurements; Interpret 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; Introduction to Probability; Continuous Probability Distributions; Interval Estimation; Analysis of Variance; Simple Linear Regression; Hypothesis Tests; Sampling and Sampling Distributions; Discrete Probability Distributions; Descriptive Statistics.

STAT6112 - RESEARCH METHODOLOGY (2 Credits)

Learning Outcomes: Describe the basics of research methodology and the research report; Choose appropriate sampling and research design; Construct questionnaires, measurements and scaling, and research proposal; Interpret the results of statistics calculation.

Topics: Introduction to Research Methodology, Problem Definition, Qualitative Research Tools, Survey Research, Measurement and Scaling Concepts, Sampling Design and Procedures, Basic Data Analysis, Communicating Research Results.

STAT6126 – PROBABILITY THEORY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand data and population; Interpret data problem to statistical terminology; Analyze suitable statistical tools for the problem; Use statistical interpretation for future situation.

Topics: Probability Theory; Random Variables; Discrete Probability Distribution; Continuous Probability Distribution; The Normal Distribution; Descriptive Statistics; Statistical Estimation and Sampling Distribution; Inference on a Population Mean.

STAT6128 - 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.

SUBJECT AREA: TAXN

TAXN6022 - INTRODUCTION TO TAXATION I (4 Credits)

Learning Outcomes: Explain overview of Indonesian taxation; Distinguish the differences of tax subject and tax object, taxable and non taxable income, deductible and non deductible expenses , Depreciation, amortisation and revaluation and specific income taxes in Indonesia; Analyze tax subject and tax object, taxable and non taxable income, deductible and non deductible expenses , Depreciation, amortisation and revaluation and specific income taxes in Indonesia 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, and 26, Fiscal reconciliation and annual income tax return.

TAXN6023 - ADVANCED TAXATION (4 Credits)

Learning Outcomes: Explain the concept of tax planning; Explain method and concept of transfer pricing; Prepare fiscal reconciliation for tax planning; Calculate deferred tax asset and deferred tax liability; Explain strategies could be used both in domestic and intl tax planning.

Topics: Overview of Tax Planning; Depreciation; Revaluation; Leasing; Transfer Pricing; Fiscal Financial Statement; Deferred Tax Asset and Deferred Tax Liability; Tax audit and Tax Investigation; Domestic Tax Planning; International Tax Planning.

TAXN6024 - INTRODUCTION TO TAXATION II (4 Credits)

Learning Outcomes: 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; Prepare corporate annual fiscal reconciliation and tax return.

Topics: General provisions and tax procedures, VAT and sales tax on luxury goods part, Tax on land and buildings, Tax acquisitions of land and buildings, Corporate annual income tax, Corporate fiscal reconciliation, Corporate annual tax return preparation (SPT).

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 Marketing Communication/Himpunan Mahasiswa Marketing Communication (HIMMARCOMM)
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 46 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)

8 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. Bina Nusantara Voice Radio (B-Voice Radio)

16 UKM of Sports and Martial Arts:

1. Aikido
2. Badminton
3. Basketball
4. Bina Nusantara Tennis Club (BNTC)
5. Bina Nusantara Swimming Club (BASIC)
6. Bina Nusantara Softball-Baseball Club (BNSC)
7. Bina Nusantara Automotive Club (BNAC)
8. Capoeira
9. Football
10. Karate
11. Mahasiswa Bina Nusantara Pencinta Alam (SWARANAPALA)
12. Merpati Putih (MP)
13. Table Tennis

14. Taekwondo
15. Wushu
16. Volleyball

10 UKM of Religon 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 Commitee (BSSC)
9. Forum Paskibra Bina Nusantara (FOPASBIN)
10. Teach for Indonesia Student Commitee (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 June 2016 until May 2017

No.	Faculty/UKM/HMJ	Events	Achievements	Level
1.	SOCS	IBM Linux Challenge 2016	Juara 1	Nasional
2.	SOBM	The 7th PPM Business Case Competition	Juara 2	Nasional
3.	SOBM	IMCB Day Marketing Debate Competition 2016	Juara 1	Nasional
4.	SOBM	X-Fest BCA 2016	Juara1	Nasional
5.	SOBM	Future Leader Summit 2016	Pembicara	Nasional
6.	BNMC	Sinofest XV	Juara 1	Nasional
7.	Hotel Management	AMNESIA 2016 (I'M IN LOVE WITH INDONESIA)	Juara 2	Nasional
8.	Hotel Management	TRISHCO (National Trisakti Hospitality Competition) 2016	Juara 3	Nasional
9.	Sistem Komputer	iTechno Cup 2016	Juara 1 Sesi Asus Over Clocking	Nasional
10.	Sistem Komputer	iTechno Cup 2016	Juara 1 Sesi Biostar Over Clocking	Nasional
11.	BASIC	POMPROV DKI JAKARTA 2016	Juara 3: 100 m Gaya Dada Putra	Regional
12.	BASIC	POMPROV DKI JAKARTA 2016	Juara 2: 4x100 M Estafet Gaya Bebas Putra	Regional
13.	BADMINTON	POMPROV DKI JAKARTA 2016	Juara 3: Ganda Putra	Regional
14.	BNTC	POMPROV DKI JAKARTA 2016	Juara 3: Tunggal Putri	Regional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
15.	Karate	POMPROV DKI JAKARTA 2016	Juara 2: Kumite -84 Kg Putra	Regional
16.	Karate	POMPROV DKI JAKARTA 2016	Juara I: Kumite +68 Kg Putri	Regional
17.	Karate	POMPROV DKI JAKARTA 2016	Juara I: Kumite -55 Kg Putri	Regional
18.	Atletik	POMPROV DKI JAKARTA 2016	Juara I: 400 m Putri	Regional
19.	VOLLEY	BEE CUP 2016	JUARA 3	Jabodetabek
20.	Arsitektur	Lomba Desain Fasade Bangunan Tertentu	Juara 1	Jabodetabek
21.	Sastra Jepang	Japan Foundation Live Report Competition 2016	Juara 1	Nasional
22.	Band	Trimasketer Music Bites	Juara 2	Jabodetabek
23.	Akuntansi	ACCA Campus Ambassador	Juara 1	Nasional
24.	BNEC	National University Debate Championship (NUDC) 2016	2nd Runner Up	Nasional
25.	Wushu	Pekan Olahraga Nasional (PON) XIX	Medali Emas Cabang Wushu Nomor Pedang & Tombak	Nasional
26.	Sistem Informasi & Akuntansi	Indonesia Ambassador pada 4th ASEAN Future Leaders Summit	Ambassador	Internasional
27.	DKV New Media	Garudapreneur Business Model Competition 2015	Juara 1	Nasional
28.	DKV AN	INDONESIAN SHORT FILM FESTIVAL 2016 (animation category)	1st WINNER	Nasional
29.	DKV AN	JOSIAH MEDIA FESTIVAL - San Antonio Texas	1st WINNER	Internasional
30.	Teknik Industri	International Engineering Student Conference (IESC) 2016	Juara 2	Internasional
31.	DKV New Media	Lomba VW Polo is Me	Juara Favorite	Nasional
32.	SLC	ASEAN Skills Competition (ASC) XI 2016 (Kuala Lumpur, Malaysia)	Gold Medal (Web Design)	International
33.	ST Manis	Pekan Seni Mahasiswa Daerah (Peksimida) 2016	Juara 1	Jabodetabek
34.	DKV Creative Advertising	Pekan Seni Mahasiswa Daerah (Peksimida) 2016	Juara 2	Jabodetabek
35.	DKV Creative Advertising	Pekan Seni Mahasiswa Daerah (Peksimida) 2016	Juara 2	Jabodetabek
36.	SLC	ASEAN Skills Competition (ASC) XI 2016 (Kuala Lumpur, Malaysia)	Silver Medal (IT Network System Administration)	International
37.	DKV New Media	Pekan Seni Mahasiswa Daerah (Peksimida) 2016	Juara 3	Jabodetabek
38.	DKV New Media	Pekan Seni Mahasiswa Daerah (Peksimida) 2016	Juara 3	Jabodetabek
39.	SLC	ASEAN Skills Competition (ASC) XI 2016 (Kuala Lumpur, Malaysia)	Gold Medal (Graphic Design Technology)	International
40.	SLC	UMN Hackathon 2016	2 Runner up	National
41.	SLC	UMN Hackathon 2016	1	National
42.	SOCS	Petra Informatics Competition	Peringkat 3 (Nasional)	Nasional
43.	SOCS	The 2016 Asia Jakarta - Indonesia National Contest	Honorable Mention (Nasional)	Nasional
44.	BNEC	United Asian Debating Campionship	1st Runner Up	Internasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
45.	BNEC	United Asian Debating Campionship	2nd Best Speaker	Internasional
46.	BNEC	United Asian Debating Campionship	4th Best Speaker	Internasional
47.	BNEC	IRON UIN	Champion	Nasional
48.	BNEC	The Nationals	2nd scrabble intermediate	Nasional
49.	BNEC	The Nationals	3rd scrabble master	Nasional
50.	IBM	Business Concept Competition IFRA 2016	Juara 3	Nasional
51.	SOCS	The 2016 Asia Jakarta Regional Contest (ICPC)	Honorable Mention (Asia)	Asia
52.	IBM	BINUS UMKM Festival 2016	Best product, Best stand and best marketing strategy	Nasional
53.	SOCS	The 2016 Asia Chung Li Regional Contest (ICPC)	Honorable Mention (Asia)	Asia
54.	VOLLEY	ATMAJAYA CUP	Juara III	Jabodetabek
55.	Wushu	WuGames	Juara 1	Nasional
56.	BNEC	LSPR NYC 2016	Juara 3 News Casting	Nasional
57.	SOBM	The 7th PPM Business Case Competition	Juara 2	Nasional
58.	BNTC	Prasetiya Mulya Tennis Week	Juara 1	Jabodetabek
59.	BNTC	Prasetiya Mulya Tennis Week	Juara 3	Jabodetabek
60.	Akuntansi	CPA Australia Student Ambassador	Juara 1	Nasional
61.	BASIC	MNA THE SPRINGS CLUB	Juara I: Gaya Bebas 50 m	Jabodetabek
62.	BASIC	MNA THE SPRINGS CLUB	Juara I: Gaya Punggung 50 m	Jabodetabek
63.	BASIC	MNA THE SPRINGS CLUB	Juara I: Gaya Kupu 50 m	Jabodetabek
64.	BASIC	MNA THE SPRINGS CLUB	Juara I: Gaya Dada 50 m	Jabodetabek
65.	BASIC	MNA THE SPRINGS CLUB	Juara 2: Gaya Punggung 50 m	Jabodetabek
66.	BASIC	MNA THE SPRINGS CLUB	Juara 2: Gaya Kupu 50 m	Jabodetabek
67.	BASIC	MNA THE SPRINGS CLUB	Juara 2 Gaya Dada 50 m	Jabodetabek
68.	BASIC	MNA THE SPRINGS CLUB	Juara 3: Gaya Bebas 50 m	Jabodetabek
69.	BASIC	MNA THE SPRINGS CLUB	Juara 3: Gaya Dada 50 m	Jabodetabek
70.	BASIC	MNA THE SPRINGS CLUB	Juara 3: Gaya Kupu 50 m	Jabodetabek
71.	BASIC	MNA THE SPRINGS CLUB	Juara 2: Gaya Bebas 50 m	Jabodetabek
72.	Band	Band Audition High School Celebration	Juara 3	Jabodetabek
73.	Band	Band Audition High School Celebration	Juara 3	Jabodetabek
74.	Business Creation	Youth Entrepreneurship Camp 2016	The Winner Business Startup Competition	Internasional
75.	Sastra Jepang	LPBJ 2016 Dai 14 kai Nihongo Benron Taikai	Juara 2	Nasional
76.	Sastra Jepang	JAL Scolarship Program	Terpilih beasiswa	Internasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
77.	Sastra Jepang	Toyama daigaku tanki ryuugaku puroguramu	Terpilih beasiswa	Internasional
78.	Sastra Jepang	Nikkei Asia Recruiting Forum	Terpilih beasiswa	Internasional
79.	Band	Trimasketer Music Bites	The Best Vocalist	Jabodetabek
80.	BNEC	Ecom 2016	1st Winner News Casting	Nasional
81.	Sistem Komputer	lomba Over Clocking	Juara 1	Nasional
82.	Sistem Komputer	Lomba Over Clocking hwbot world series Asia	Juara 4	Internasional
83.	DKV Creative Advertising	Lomba IRC Video Competition	Juara 2	Nasional
84.	DKV Creative Advertising	Lomba IRC Video Competition	Juara 3	Nasional
85.	Sastra Jepang	3rd Bunka Taiken Contest in Jakarta	Top 5th (won a trip to japan)	Nasional
86.	Stamanara	Lomba Dance K-STAM	Juara 1	Jabodetabek
87.	SOCS	Asean Skills Competition 2016 bidang lomba IT Network System Administration	Juara 2	Internasional
88.	Stamanara	Lomba Dance TSM	Juara 2	Jabodetabek
89.	BNMC	Lomba design poster	Juara 1	Jabodetabek
90.	Karate	Pekan Olahraga Nasional (PON) XIX	Medali Emas Cabang Karate Kumite 61 Kg	Nasional
91.	BNMC	School University Mandarin Competition	Juara 1	Jabodetabek
92.	Fin Swimming	Pekan Olahraga Nasional (PON) XIX	Medali Perak Cabang Finswimming 50 M Bifins & 4 X 100 M Estafet	Nasional
93.	Sistem Informasi	Information System Case Competition	Best Presenter	Internasional
94.	Polo Air	Pekan Olahraga Nasional (PON) XIX	Medali Emas Tim Polo Air Putri	Nasional
95.	Hubungan Internasional	Soedirman Model United Nation	Juara 1	Nasional
96.	Wushu	Pekan Olahraga Nasional (PON) XIX	Medali Emas Cabang Wushu Nomor Pedang & Tombak	Nasional
97.	BGDC	Line Game Development Competition	Top 3	Nasional
98.	Judo	Pekan Olahraga Nasional (PON) XIX	Medali Emas Cabang Judo Kelas 81 Kg	Nasional
99.	IMCB	X-fest BCA 2016	Juara 3	Nasional
100.	Judo	Pekan Olahraga Nasional (PON) XIX	Medali Perunggu Kelas Bebas	Nasional
101.	Squash	Pekan Olahraga Nasional (PON) XIX	Juara 3	Nasional
102.	Judo	Pekan Olahraga Nasional (PON) XIX	Medali Perunggu Cabang Judo Kelas -90 Kg	Nasional
103.	Teknik Industri	IISE (Institue of Industrial and System Engineering)	Gold Award Iise	Internasional
104.	Judo	Pekan Olahraga Nasional (PON) XIX	Medali Perak Kelas Bebas	Nasional
105.	Ski Air	Pekan Olahraga Nasional (PON) XIX	Medali Perak Cabang Ski Air Tim Wakeboard	Nasional
106.	BNSC	Pekan Olahraga Nasional (PON) XIX	Medali Emas Tim Softball Putri	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
107.	DKV AN	UCIFEST 7	WINNER (Best Short Animation Film)	Nasional
108.	Teknik Informatika	Petra Informatics Competition	Juara 1	Nasional
109.	Akuntansi	National Accounting Student Conference	Juara 1	Nasional
110.	Judo	Pekan Olahraga Nasional (PON) XIX	Medali Emas	Nasional
111.	HIMMAT	Lomba Web Commerce Design UNJ	Juara 1	Jabodetabek
112.	BNEC	IBM Linux Challenge 2016 "Smart City"	The Mos Promising Solution	Nasional
113.	HIMMAT	Lomba Web Commerce Design UNJ	Juara 2	Jabodetabek
114.	BNEC	Padjajaran Debate Competition	2nd Runner Up	Nasional
115.	BNEC	Gadjah Mada Debate Tournament	Runner Up	Nasional
116.	Renang Indah	Panasonic Pan Asia Syncronised Swimming Championship 2016	1st Runner Up	Internasional
117.	Renang Indah	11th Singapore National Open Syncronised Swimming 2016	Juara 1	Internasional
118.	Desain Interior	Philips Design Living Room Competition	3rd Winner	Nasional
119.	Desain Interior	Dulux Designer Award Competition	1st Winner	Nasional
120.	Desain Interior	NYPDA Nippon Asian Young Designer Award	Silver Award	Nasional
121.	Teknik Sipil	Structural Challenge	Juara 1	Nasional
122.	SIS	Binus Business Case Competition	Juara 2	Jabodetabek
123.	DKV AN	INAMAFEST 2016	Winner (Kategori Animasi Terbaik Non Profesional)	Nasional
124.	Hubungan Internasional	Debate Nuclear Fair 2016	Juara 1	Nasional
125.	Hubungan Internasional	IMCB Day Marketing Debate Competition	Juara 2	Nasional
126.	SOCS	Megaxus Olimpiade 2016	Juara 1	Nasional
127.	SOCS	Megaxus Olimpiade 2016	Juara 2	Nasional
128.	SOCS	Megaxus Olimpiade 2016	Juara 3	Nasional
129.	BNEC	The 2017 Asian English Olympics	1st Winner	International
130.	BNEC	World United Debating Championship 2017	Semi-Finalist (8 Besar)	International
131.	BNEC	World United Debating Championship 2017	Grand Finalist (4 besar)	International
132.	BNEC	World United Debating Championship 2017	4th EFL Best Speaker	International
133.	BNEC	World United Debating Championship 2017	5th EFL Best Speaker	International
134.	BNEC	ALSA UNPAD	Juara 1	Nasional
135.	Hubungan Internasional	Thammasat University Model United Nations 2017	Honorable Mention Delegate (Juara 2)	International
136.	Hubungan Internasional	Thammasat University Model United Nations 2017	Best Position Paper	International
137.	Hubungan Internasional	University of Santo Thomas MUN	Best Position Paper	International
138.	Hubungan Internasional	University of Santo Thomas MUN	Best Delegate	International

No.	Faculty/UKM/HMJ	Events	Achievements	Level
139.	Hubungan Internasional	University of Santo Thomas MUN	Second Best Delegate	International
140.	Hubungan Internasional	University of Santo Thomas MUN	3rd Best Delegate	International
141	Hubungan Internasional	University of Santo Thomas MUN	4th Best Posititon Paper	International
142	Mobile Application and Technology	Baidu Marketing Plan Competition	Juara 2	Nasional
143	Wushu	Kejurnas Wushu, Surabaya	Juara 1	Nasional
144	Wushu	Kejurnas Wushu, Surabaya	Juara 2	Nasional
145	Volley	Engineering Cup Volleyball Competition	Juara 2	Jabodetabek
146	Karate	Kejurnas Karate Inkanas 2017	Juara 3	Nasional
147	SOBM	Marketing Plan Competition #dengerindivide	Juara 1	Nasional
148	Akuntansi	Kompetisi Pengetahuan Pasar Modal 2017	Juara 2	Nasional
149	Akuntansi	Deloitte Grand Ambassador 2017	Juara 1	Nasional
150	Akuntansi	Indonesia Accounting Fair 18	Juara 1	Nasional
151	BNEC	National English Competition (NEON) Untar 2017	Juara 3	Nasional
152	Sastra Jepang	JAL Scholarship 2017	Terpilih mewakili Indonesia	Nasional
153	Hubungan Internasional	ALSA MUN Padjajaran 2017	Juara 3 (Honorable Mention)	Nasional
154	Hubungan Internasional	Makassar MUN 2017	Juara 1 (Best Posision Paper)	Nasional
155	Hubungan Internasional	Makassar MUN 2017	Juara 2 (The Most Outstanding Delegate)	Nasional
156	Sistem Informasi	Lomba Aplikasi Edukasi (AKSI)	Juara 3	Nasional
157	Volley	UNTAR CUP 2017	Juara 3	Jabodetabek
158	Badminton	LIMA Greater Jakarta Conference 2017	Juara 2	Regional
159	Badminton	LIMA Greater Jakarta Conference 2017	Juara 3	Regional
160	Sistem Komputer	Program Kreativitas Mahasiswa (PKM) KC	Mendapat Hibah	Nasional
161	SCDC	Pemilihan Mahasiswa Berprestasi Tingkat Kopertis Wilayah III	Terbaik I	Jabodetabek
162	BNEC	ALSA UI 2017	Juara 1 Speech Competition	Nasional
163	Sistem Informasi	CHiuXiD Student Design Challenge 2017	Juara 1	International
164	Hotel Management	The 11th Indonesian Salon Culinaire 2017	Silver Medal Award	International
165	Hotel Management	The 11th Indonesian Salon Culinaire 2017	Diploma Medal Award	International
166	Teknik Industri	ERSI-PC 2017 (Ergonomic and Simulation Poster Competition 2017)	Juara 1	Nasional
167	Teknik Industri	ERSI-PC 2017 (Ergonomic and Simulation Poster Competition 2017)	Juara 3	Nasional
168	Marcom	Global Student Entrepreneur Awards Indonesia 2017	Juara 1	Nasional
169	Marcom	Global Student Entrepreneur Awards Internasional 2017	Semi - Finalist	International
170	Marcom	CPPBT Menristek Dikti	Hibah DIKTI	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
171	Sistem Informasi	Bimbingan Teknis Wirausaha Baru Oleh Direktorat Jendral Ikm Logam, Mesin, Elektronika Dan Alat Angkut	3 besar	Nasional
172	Hubungan Internasional	Festival Akuatik Nasional, Palembang	Medali Emas	Nasional
173	Hubungan Internasional	Festival Akuatik Nasional, Palembang	Medali Perak	Nasional
174	Badminton	UNTAR CUP 2017	Juara I	Jabodetabek
175	Sepakbola	UNTAR CUP 2017	Juara III	Jabodetabek
176	Sepakbola	Prasmul Olympic 2017	Juara I	Jabodetabek
177	Taekwondo	Prasmul Olympic 2017	Juara I	Jabodetabek
178	Taekwondo	Prasmul Olympic 2017	Juara III	Jabodetabek
179	Ski Air	Sunter Open Waterski & Wakeboard	Juara III	Asia Tenggara
180	Badminton	LIMA Nasional	Juara I	Nasional
181	Badminton	Djarum Sirkuit Nasional	Juara II	Nasional
182	International Marketing	WOW Case Competition with Pertamina	Juara 1	Nasional
183	Hotel Management	WOHFEST National Competition	Runner up	Nasional
184	Stamanara	Econoweeks Dance Competition	Juara 2	Jabodetabek
185	Stamanara	Econoweeks Dance Competition	Best Costume	Jabodetabek
186	Teknik Informatika	ITobaFest Programming	Juara 1	Nasional
187	Teknik Informatika	ITobaFest Programming	Juara 2	Nasional
188	Teknik Informatika	ITobaFest Programming	Juara 3	Nasional
189	Teknik Informatika	Ideafuse Programming	Juara 1	Nasional
190	Sistem Informasi	National Business Case and Expotrepreneur 2017	Juara 1	Nasional
191	Sistem Informasi	National Business Case and Expotrepreneur 2017	Overall Best Presentation for Case PT Unza Vitalis	Nasional
192	Sistem Informasi	National Business Case and Expotrepreneur 2017	First Best Speaker	Nasional
193	BNEC	YSEALI 2017	Juara 1	Nasional
194	BNEC	IRON UIN 2017	Juara 1 Debate	Nasional
195	BNEC	IRON UIN 2017	1st Runner Up Speech	Nasional
196	Badminton	LIMA Greater Jakarta Conference 2017	Juara II	Regional
197	Komunikasi Pemasaran	JCI Jakarta Public Speaking Competition	2nd Runner Up	Nasional
198	School of Information Systems	FIT Competition 2017	Juara 2	Nasional
199	Hubungan Internasional	Moestopo Model United Nations	Best Position Paper (juara 1)	Nasional
200	Hubungan Internasional	Airlangga Youth MUN 2017	Juara 1	Nasional
201	BNCC	Young Creative Entrepreneur	Juara 3	Nasional
202	Sistem Informasi	6th UI Studentpreneurs	Juara 1	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.
- **Twinning Program/Joint Degree** (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 instituions 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 (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.isep.org) for further details.

Requirements

1. Highly motivated and assertive
2. Registered as an active student at BINUS UNIVERSITY/BINUS INTERNATIONAL/BINUS BUSINESS SCHOOL
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
		Fujian Normal University
		Northwestern Polytechnic University
	India	Banasthali University (for women only)
		Chitkara University
	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
		Duksung Women's University
		Hannam University (applicable only for Business related subject)
		Hanyang University
		Inha University
		Kangwon National University
		Kookmin University
		Kyung Hee University
		Myongji University
		Sejong University
		SolBridge International School of Business
	Malaysia	Taylor's University
		University of Malaya
		Universiti Malaysia Pahang
		Universiti Malaysia Sarawak
		Universiti Teknologi Malaysia
		Universiti Teknologi MARA
	Philippines	University of Santo Tomas
		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

Continent	Country	Student Exchange Partner Institution
Asia	Thailand	Bangkok University
		University of the Thai Chamber of Commerce
	United Arab Emirates	S P Jain School of Global Management
	Vietnam	Vietnam National University Ho Chi Minh City
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 Rennes School of Business
		ESC Troyes – Champagne School of Management
		ISC Paris School of Management
		ISTC – Ecole de communication
		Kedge Business School
		Universite Catholique de Lille
	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	Fontys Academy for Creative Industries
		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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