

CATALOG

2016 - 2017



The information in this catalog is provided for Binusian 2020 (Academic Year 2016/2017). 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), 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.

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 start up, and community development.

With 35 years of exceptional experience in education, 90.042 alumni, and 26.594 enrolled students, 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 2016



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

Contents

Preface	i
Contents	ii
Chapter I.....	1
1. General Information	1
1.1 History and Development of BINUS UNIVERSITY	1
1.2 Meaning of BINA NUSANTARA	5
1.3 Tagline of BINUS UNIVERSITY	6
1.4 Vision and Mission of BINUS UNIVERSITY	6
1.5 The Symbol of BINUS UNIVERSITY	6
1.6 March of BINUS UNIVERSITY	7
1.7 BINUSIAN	7
1.8 March of BINUSIAN	8
1.9 BINUS Value	8
1.10 Organizational Chart of BINUS UNIVERSITY	9
1.11 Campus Location	11
1.12 Quality Management System at BINUS UNIVERSITY	12
1.13 Quality Policy of BINUS UNIVERSITY	12
1.14 Quality Objectives of BINUS UNIVERSITY	13
Chapter II.....	14
2. Education Program	14
2.1 Education System	14
2.1.1 Method of Education Delivery	14
2.1.2 Examination	15
2.1.3 Evaluation System	15
2.1.4 Credits Load in One Semester.....	18
2.1.5 English MKU Scheme at Binus University.....	20
2.1.6 The Requirement and Regulation of the Valuation on the Students' Progress in Studying.....	21
2.1.7 3+1 Curriculum	23
2.1.8 Minor Program	24
2.1.9 Final Project	24
2.1.10 Thesis	24
2.1.11 Academic Title	25
2.1.12 Student Advisory Center	26
2.2 Department Competences	27
2.2.1 School of Computer Science.....	27
▪ Computer Science	27
▪ Mathematics	38
▪ Statistics.....	43
2.2.2 School of Information Systems	48
▪ Information Systems	48
▪ Computerized Accounting	57
▪ Accounting Information Systems.....	60
▪ Information Systems Audit	67
▪ Business Information Technology	74
2.2.3 School of Business Management.....	80
▪ Management	81
▪ International Marketing	92

▪	International Business Management.....	98
▪	Business Creation.....	106
▪	Business Management	109
2.2.4	School of Design.....	116
▪	Visual Communication Design - New Media	116
▪	Visual Communication Design - Animation	122
▪	Visual Communication Design - Creative Advertising	127
▪	Interior Design.....	132
2.2.5	Faculty of Economics & Communication.....	140
▪	Accounting	141
▪	Hotel Management.....	154
▪	Communication	165
▪	Tourism.....	174
2.2.6	Faculty of Engineering	182
▪	Architecture.....	182
▪	Civil Engineering	189
▪	Industrial Engineering	196
▪	Computer Engineering	204
▪	Food Technology	284
2.2.7	BINUS ASO School of Engineering	290
▪	Product Design Engineering	290
▪	Automotive and Robotics Engineering	293
2.2.8	Faculty of Humanities	297
▪	Chinese Literature.....	297
▪	Japanese Literature	305
▪	English Literature	314
▪	Psychology.....	322
▪	Business Law.....	331
▪	International Relations	337
▪	Primary Teacher Education.....	350
2.3	Minor Program	354
▪	Mandarin.....	354
▪	Information Technology	354
▪	Design.....	355
▪	Business	356
2.4	Course Descriptions.....	357
▪	Subject Area: ACCT.....	357
▪	Subject Area: ARCH	371
▪	Subject Area: ARTS	380
▪	Subject Area: BUSS.....	381
▪	Subject Area: CHAR	390
▪	Subject Area: CHIN.....	392
▪	Subject Area: CIVL	403
▪	Subject Area: COMM.....	411
▪	Subject Area: COMP.....	429
▪	Subject Area: CPEN	449
▪	Subject Area: DSGN	456
▪	Subject Area: ECON.....	480
▪	Subject Area: EDUC	484
▪	Subject Area: ENGL.....	490
▪	Subject Area: ENGR	500
▪	Subject Area: ENTR.....	501
▪	Subject Area: FILM	506
▪	Subject Area: FINC	507
▪	Subject Area: FOOD	513
▪	Subject Area: GAME	522
▪	Subject Area: INTR	525
▪	Subject Area: ISYE	542
▪	Subject Area: ISYS	549
▪	Subject Area: JAPN	574
▪	Subject Area: LANG.....	583
▪	Subject Area: LAWS	589

- Subject Area: MATH 597
- Subject Area: MDIA 607
- Subject Area: MGMT 609
- Subject Area: MKTG 622
- Subject Area: MOBI 630
- Subject Area: PSYC 634
- Subject Area: RSCH 645
- Subject Area: SCIE 647
- Subject Area: SOCS 651
- Subject Area: STAT 654
- Subject Area: TAXN 662
- Subject Area: TRSM 665

Chapter III 681

3. Student Creative Development Center 681

- Achievement List 683

Chapter IV 690

4. BINUS UNIVERSITY INTERNATIONAL (Vision, Mission, and Values) 690

- 4.1 Introduction and Disclaimer 690
- 4.2 History of BINUS INTERNATIONAL 691
- 4.3 BINUS INTERNATIONAL Organizational Structure 692
- 4.4 BINUS INTERNATIONAL (Teaching and Learning Process) 692
 - 4.4.1 Education System 692
 - 4.4.2 Method of Education Delivery 697
 - 4.4.3 Evaluation System 699
- 4.5 Students Support Facilities 701
 - 4.5.1 Academic Advisory 701
 - 4.5.2 English Language Services 701
 - 4.5.3 Students, Alumni, and Global Employability (SAGE) 702
 - 4.5.4 Center for Innovation and Entrepreneurship 703
- 4.6 Programs 703
 - 4.6.1 International Accounting & Finance 703
 - 4.6.2 Graphic Design & New Media 710
 - 4.6.3 Fashion Design 716
 - 4.6.4 Film 723
 - 4.6.5 Communication 730
 - 4.6.6 Computer Science 737
 - 4.6.7 Business Information Systems 746
 - 4.6.8 Business Management and Marketing 754
 - 4.6.9 International Business 761
- 4.7 Course Descriptions 771
 - 4.7.1 International Accounting and Finance 771
 - 4.7.2 Graphic Design and New Media 775
 - 4.7.3 Fashion 790
 - 4.7.4 Film 799
 - 4.7.5 Communication 808
 - 4.7.6 Computer Science 819
 - 4.7.7 Business Information Systems 827
 - 4.7.8 Business Management and Marketing 836
 - 4.7.9 International Business 841
 - 4.7.10 General Studies 844
- 4.8 Student Activities 849

Chapter V 850

5. Graduate Program in Management (BINUS BUSINESS SCHOOL) 850

5.1	Introduction and Disclaimer	850
	Program Objectives.....	850
	Binus Business School Organizational Structure	852
5.2	BINUS BUSINESS SCHOOL Teaching and Learning Process.....	853
5.2.1	Education System	853
5.2.2	Method of Education Delivery.....	853
5.2.3	Evaluation System.....	854
5.3	MM Young Professional	856
5.3.1	MM Young Professional Business Management (Vision, Mission, Program Description)	856
5.3.2	MM Young Professional Creative Marketing (Vision, Mission, Program Description)	858
5.4	MM Professional	860
5.4.1	MM Business Management (Vision, Mission, Program Description, Curriculum)	860
5.5	MM Business Management Online Vision, Mission, Program Description, Curriculum)	862
5.6	MM Executive Vision, Mission, Program Description, Curriculum)	864
5.7	Study Requirement.....	866
5.8	Course Description.....	867
5.8.1	MM Young Professional – Business Management	867
5.8.2	MM Young Professional – Creative Marketing	871
5.8.3	MM Professional – Business Management	874
5.8.4	MM Business Management Online.....	876
5.8.5	MM Executive.....	880

Chapter VI 886

6. Graduate Program 886

6.1	Master of Information System Management	888
6.2	Master of Information Technology	891
6.3	Master of Industrial Engineering.....	894
6.4	Course Description.....	897
6.4.1.	Master of Information System Management	897
6.4.2.	Master of Information Technology	901
6.4.3.	Master of Industrial Engineering	905
6.5	Doctor of Research in Management (DRM)	909
6.6	Doctor of Research in Management (Strategy & Growth)	912
6.7	Doctor of Computer Science	913
6.8	Course Description.....	915
6.8.1	Doctor of Research in Management (DRM)	915
6.8.2	Doctor of Computer Science.....	918

Chapter VII 920

7. Internationalization Program 920

7.1	Introduction	920
7.2	Student Exchange and Study Abroad	920

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 Business Management, School of Design, Faculty of Engineering, Faculty of Humanities, Faculty of Economics and Communication, also 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 35 years of exceptional experience in education, 90.042 alumni, and currently enrolled 26.594 students, BINUS UNIVERSITY is ready to enter international education. BINUS INTERNATIONAL runs innovative and flexible programs conducted in a state-of-the-art facility, taught by internationally qualified lecturers.

BINUS 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 System Management, Master of Industrial Engineering, Doctor of Research in Management 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, 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.

In order to enhance the contribution on developing nations, for the year 2015/2016, BINUS University open some new programs to answer the needs of industry. The new programs in the year 2015/2016 are Cyber Security, Tourism, and Primary Teacher Education.

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 <ul style="list-style-type: none"> • Computer Science • Mobile Application and Technology • Matematics • Statistics • Game Application and Technology • Cyber Security 	S1 S1 S1 S1 S1 S1
2.	School of Information Systems <ul style="list-style-type: none"> • Information Systems • Accounting Information Systems • Computerized Accounting • Information Systems Audit • Business Information Technology 	S1 S1 DIII S1 S1

General Information

No	Faculty, School, and Department / Program	Program
3.	School of Business Management <ul style="list-style-type: none"> • Management • International Marketing • International Business Management • Business Creation • Business Management 	S1 S1 S1 S1 S1
4.	School of Design <ul style="list-style-type: none"> • Visual Communication Design <ul style="list-style-type: none"> ○ New Media ○ Animation ○ Creative Advertising • Interior Design 	S1 S1 S1 S1
5.	Faculty of Engineering <ul style="list-style-type: none"> • Architecture • Civil Engineering • Industrial Engineering • Computer Engineering • Food Technology 	S1 S1 S1 S1 S1
6.	Faculty of Humanities <ul style="list-style-type: none"> • Chinese Literature • English Literature • Japanese Literature • Psychology • Business Law • International Relations • Primary Teacher Education 	S1 S1 S1 S1 S1 S1 S1
7.	Faculty of Economics and Communication <ul style="list-style-type: none"> • Accounting • Hotel Management • Tourism • Communication 	S1 DIV S1 S1

No	Faculty, School, and Department / Program	Program
8.	Graduate Program	
	• Information Technology	S2
	• Information Systems Management	S2
	• Industrial Engineering	S2
	• Management	
	○ MM Professional Business Management	S2
	○ MM Young Professional Business Management	S2
○ MM Young Professional Creative Marketing	S2	
○ MM Executive	S2	
9.	Doctorate Program	
	• Doctor of Research in Management	S3
	• Doctor of Computer Science	S3
10.	International Programs	
	• International Accounting & Finance	S1
	• International Business	S1
	• Business Management and Marketing	S1
	• Computer Science	S1
	• Information Systems	S1
	• Fashion	S1
	• Graphic Design & New Media	S1
	• Communication	S1
	• Film	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 : Graduates of UBINUS will be ready to participate **in the global market and environment** through the highest level of education excellence encompassing teaching, learning and applied research

Innovation : The economically successful introduction and application of new and existing scientific knowledge and teaching-learning process for practical purposes in order **to create superior stakeholder value**

Enterprise : Innovative business practices relating to an individual or organization’s capability **to drive positive changes** in the global market and environment

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, gray and red with the following meanings:

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

1.6 March of BINUS UNIVERSITY

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

Univ. BINA NUSANTARA, derapkanlah maju terus
 Sebagai wadah nusa dan bangsa, Negara Indonesia
 Memberantas keterbelakangan, yang menghambat pembangunan
 Terus berbaktilah dan pantang mundur
 Dengan gigih terus 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

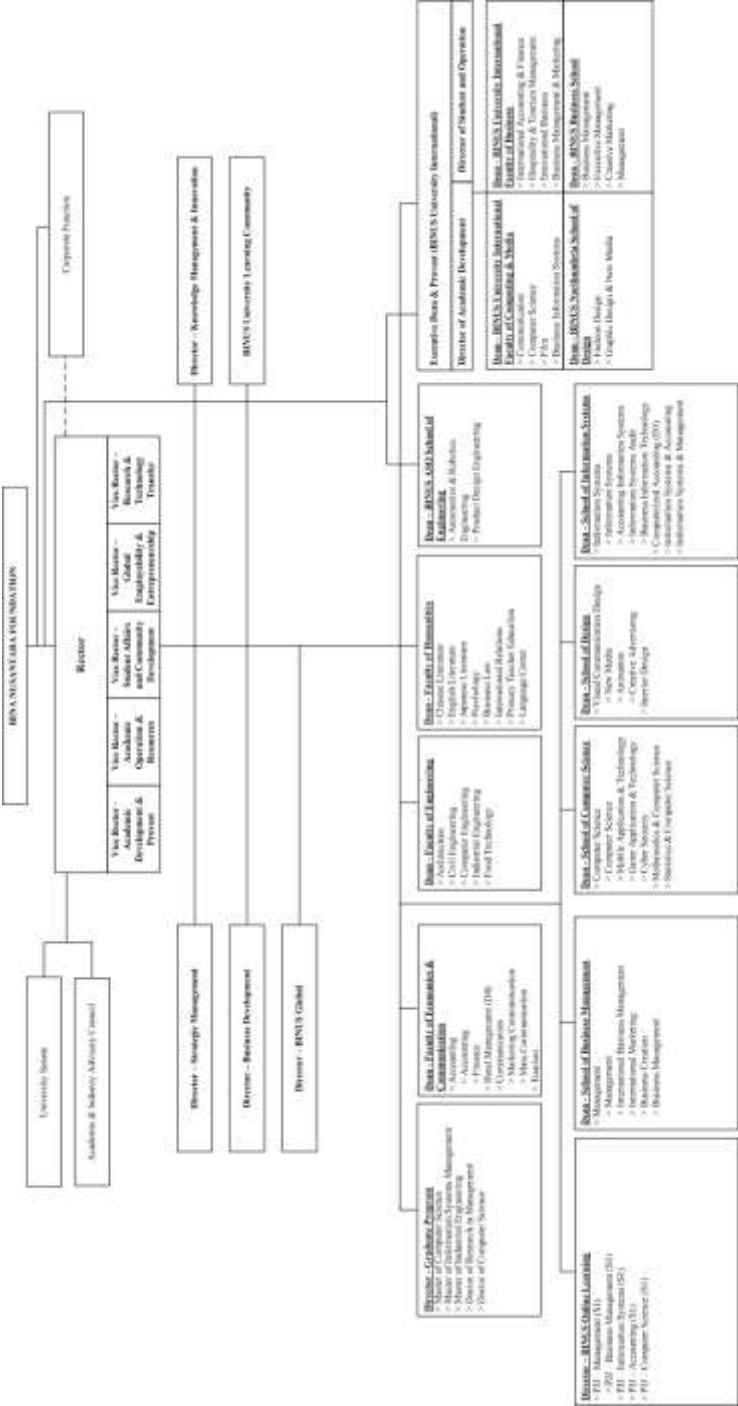
Dengar semua para BINUSIAN
Panggilan nusa dan bangsa telah menanti
Sambutlah dengan visi inovatif
Songsonglah dengan sikap positif
Dan selalu menjadi yang terdepan.
Ayo kita berjuang demi ibu pertiwi
Dengan karya bermanfaat
Ayo kita berbakti untuk sesama
Dengan karya nyata
Semuanya demi pembangunan bangsa.

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:

- **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 contribution from every individual.
- **Innovation**
We encourage creative, breakthrough, 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.

1.10 Organizational Chart of BINUS UNIVERSITY



Supporting Units List

<p>Academic Support Units</p> <p>BINUS University</p> <p><u>Vice Rector - Academic Development & Provost</u></p> <ul style="list-style-type: none"> > Academic Resource Center > Lecturer Resource Center > Character Building Development Center > Accreditation and Academic Quality Assurance <p>> Human Capital & Legal</p> <p>> Learning & Development</p> <p><u>Vice Rector – Academic Operation & Resources</u></p> <ul style="list-style-type: none"> > Operation – Kemanggisan Campus <ul style="list-style-type: none"> > Academic Operation Center > Student Registration and Scheduling Center > Student Services Center > Operation – Alam Sutra Campus <ul style="list-style-type: none"> > Lecturer Services Center > Student Services Center > Laboratory Center > Library and Knowledge Center > Software Laboratory Center > Resources Management <p>> Finance</p> <p>> General Affairs</p> <p>> Information Technology</p> <p><u>Vice Rector – Student Affairs and Community Development</u></p> <ul style="list-style-type: none"> > 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 <p><u>Vice Rector – Global Employability & Entrepreneurship</u></p> <ul style="list-style-type: none"> > BINUS Entrepreneurship Center > Alumni Relations Office > BINUS Career Center > Employability & Entrepreneur Center > Industry Relationship 	<p>Academic Support Units</p> <p>BINUS University</p> <p><u>Vice Rector – Research & Technology Transfer</u></p> <ul style="list-style-type: none"> > Research & Technology Transfer Office > Bioinformatics & Data Science Research Center > Research Interest Group > Publication > Technology Transfer <p><u>Director – Strategic Management</u></p> <ul style="list-style-type: none"> > 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) <p>> Marketing</p> <p><u>Director – Business Development</u></p> <ul style="list-style-type: none"> > Business Development > BINUS Animation Studio > Educational Technology <p><u>Director – BINUS Global</u></p> <ul style="list-style-type: none"> > BINUS International Office > BINUS Global Class > BINUS Collaboration Center > International Communication > International Student Recruitment <p><u>Director – Knowledge Management & Innovation</u></p> <ul style="list-style-type: none"> > Knowledge Multimedia > Digital-Media Development > Knowledge Innovation > Knowledge System > Knowledge Product <p><u>Director - BINUS Online Learning</u></p> <ul style="list-style-type: none"> > Academic & Product Development > Operation <p><u>Director - BINUS University Learning Community</u></p> <ul style="list-style-type: none"> > BINUS University Learning Community – Palembang > BINUS University Learning Community – Semarang > BINUS University Learning Community – Malang 	<p>Academic Support Units</p> <p>BINUS University International</p> <p><u>Director of Academic Development</u></p> <ul style="list-style-type: none"> > BINUS Case Center > Learning & Faculty Development > Research Department > Center for Innovation > Character Building Development Center > Research Interest Group <p><u>Director of Student and Operation</u></p> <ul style="list-style-type: none"> > English Language Services > Operation > 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

Fax : (+62-21) 720-5555

Alam Sutra Main 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) 53-69-69-99 ext. 6608

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 2015, BINUS University achieved the level of Good Performance. The commitment of BINUS University to become a world class university is also shown by not only having national accreditations from BAN – PT, but also 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).

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. Education 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 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 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. The weight of each subject namely credits.

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 control examination.

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 Point of Theory (NAT)

Table 1. Calculation of Final Point of Theory (NAT)

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

Calculation of Semester Final Point (NAS)

There are two kinds of Calculation:

Subjects that have a practical work:

$$\text{Final Point of Semester (NAS)} = (\text{NAT} \times \% \text{ Weight of Theory}) + (\text{NAP} \times \% \text{ Weight of Practical Work})$$

Subjects that have no practical work:

$$\text{Final Point of Semester (NAS)} = \text{Final Point of Theory (NAT)}$$

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

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

The Final Point 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 POINT OF SEMESTER
A	4	90 – 100
A-	3.67	85 – 89
B+	3.33	80 – 84
B	3	75 – 79
B-	2.5	70 – 74
C	2	65 – 69
D	1	50 – 64
E	0	0 – 49
F: Incomplete*	0	0 – 49
G: Failed**	-	-
L: Pass**	-	-

Notes:

* Absence in Final test or inadequate frequency of class attendance

** For certain subjects

Table 3. Grading System for Graduate Program

Grade	Weight	Score	Grade Description
A	4	90 – 100	Student has completed all requirements of the course work outstandingly and exceptional additional work at the highest standard.
			Student has demonstrated an outstanding level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes and achieved all of these learning outcomes at the highest level.
A-	3.7	80 – 89	Student has completed all requirements of the course work and significant additional work to a high quality.
			Student has demonstrated a significant level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes and achieved all of these learning outcomes well.
B+	3.3	70 – 79	Student has completed all requirements of the course work and considerable additional work at a good standard.
			Student has demonstrated a good level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes and achieved almost all of these learning outcomes well.
B	3	65 – 69	Student has completed all requirements of the course work and considerable additional work at an average standard.
			Student has demonstrated a sufficient level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes.
B-	2.67	60 – 64	Student has completed all requirements of the course work and considerable additional work at an average standard.
			Student has demonstrated an adequate level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes.
C+	2.33	55 – 59	Student has completed all requirements of the course work and demonstrated a satisfactory level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes.
C	2	50 – 54	Student has completed the minimum requirements of the course work and demonstrated a minimum level of knowledge / understanding / competencies / skills required to meet the specified learning outcomes.
D	1	0 – 49	Student is unable to demonstrate the completion of the minimum requirements of the course work and the attainment of a minimum level of knowledge/ understanding/competencies/skills required to meet the specified learning outcomes.

Table 4. Grading System for Post Graduate Program

Grade	Weight (0-4)	Score (0-100)	Grade Description
A	4.00	$N \geq 90$	Student has completed all requirements of the course work outstandingly and exceptional additional work at the highest standard.
A-	3.70	$85 \leq N < 90$	Student has completed all requirements of the course work and significant additional work to a high standard.
B+	3.30	$80 \leq N < 85$	Student has completed all requirements of the course work and considerable additional work at a good standard.
B	3.00	$75 \leq N < 80$	Student has completed all requirements of the course work and considerable additional work at an average standard.
B-	2.70	$70 \leq N < 75$	Student has completed all requirements of the course work and considerable additional work at a below average standard.
C+	2.30	$65 \leq N < 70$	Student has completed all requirements of the course work and demonstrated a satisfactory level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes.
C	2.00	$60 \leq N < 65$	Student has completed the minimum requirements of the course work and demonstrated a minimum level of knowledge/understanding/competencies/skills required to meet the specified learning outcomes.
D	1.00	$N < 60$	Student is unable to demonstrate the completion of the minimum requirements of the course work and the attainment of a minimum level of knowledge/ understanding/competencies/skills required to meet the specified learning outcomes.
F	0	0	Student hasn't completed all requirements of the course work.

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), or all of the semesters by Cumulative Grade Point Average (IPK/GPA).

Semester Grade Point Average (IPS) 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:

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

Education Systems

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 5. Maximum Study Weight of student for regular program

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

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

Table 6. 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 should pass **English Savvy** with a minimum Grade is C.

2.1.6 The Requirement and Regulation of the Valuation on the Students' Progress in Studying

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

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

Studying Success Evaluation of Three Successive Semesters

A student that is non-active in three successive semesters (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 UPM
- 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 22ulfil 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 Control Examination (UPM).
- Not having an outstanding loan (finance, library, and administration).

Studying Success Evaluation of Graduate Program (S2)

The students must 22ulfil 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).

Studying Success Evaluation of Graduate Program (S3)

For Doctoral Program the students must 22ulfil 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 Intellectual Property Form.

2.1.7 3+1 Curriculum

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 16 credit units each. Students may choose 5 tracks for each semester, namely 1) Internship Track; 2) Entrepreneurship Track; 3) Community Development Track; 4) Research Track; 5) Study Abroad Track. By the end of each semester, each student will submit an enrichment report and several papers related to technical competencies in his/ her disciplines and soft skills.

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.

2.1.8 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. In 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.

2.1.9 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, where the compiling of the final project is conducted by a team in the class).

2.1.10 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.

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.

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 Doctor of Research in Management Program which is to advance business management 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.

2.1.11 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 9. Table of Academic Title

Programs	Study Level	Academic Title
Computer Science	S1	Sarjana Komputer (S.Kom)
Mathematics	S1	Sarjana Sains (S.Si)
Statistics	S1	Sarjana Sains (S.Si)
Information Systems	S1	Sarjana Komputer (S.Kom)
Accounting Information Systems	S1	Sarjana Komputer (S.Kom)
Computerized Accounting	DIII	Ahli Madya (A.Md)
Information Systems Audit	S1	Sarjana Komputer (S.Kom)
Business Information Technology	S1	Sarjana Komputer (S.Kom)
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.)
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)

Programs	Study Level	Academic Title
Architecture	S1	Sarjana Teknik (S.T.)
Civil Engineering	S1	Sarjana Teknik (S.T.)
Industrial Engineering	S1	Sarjana Teknik (S.T.)
Computer Engineering	S1	Sarjana Komputer (S.Kom)
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 Internasional (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)
Management	S2	Magister Manajemen (M.M.)
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.)
Doctor of Research in Management	S3	Doktor Manajemen (Dr.)
Doctor of Computer Science	S3	Doktor Ilmu Komputer (Dr.)

2.1.12 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 Department Competences

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 undergraduate study programs (S1). The program are Computer Science, Mathematics and Statistics.

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 qualification.

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 by applying the principles of database system design to solve structured and semi-structured data;
2. Able to design software application solution based on problem analysis which can be solved with structured approach in informatics area;
3. Able to assess technology trend in informatics area to deliver an alternative solution of software development;
4. Able to produce software which can solve the problems in informatics industry;
5. Able to produce database software with high applicative complexity to solve problems in industry;
6. Able to produce computer network based software 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;
9. Able to conduct penetration testing using appropriate method that suitable to targeted technology;
10. Able to evaluate system risk from identification result;
11. Able to make a guideline that optimize necessary improvement to close gaps;
12. Able to fix the weakness-system by cyber defense approach and technique;

13. Able to implement secure system with secure software engineering methodology;
14. Able to develop a strategy and design for mobile solution development;
15. Able to study the trend of mobile technology in the future;
16. Able to create solution by applying technology and current mobile application;
17. 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 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 2016 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.
8. Cyber Scurity: to explore the various methodologies and techniques in Cyber Security Assurance and Cyber Defense.
9. Game Application Technology: to explore the various methodologies and techniques in game art, game design, and game programming.
10. Mobile Application Technology: to explore the various methodologies and techniques in Mobile Programming, Mobile Entrepreneurships and Current Mobile Technology for developing mobile/wireless applications.

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		
	COMP6047	Algorithm and Programming*	4/2		
	MATH6031	Calculus	4		
	MATH6030	Linear Algebra	2		
	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	20	
	COMP6048	Data Structures*	4/2		
	COMP6056	Program Design Methods	4		
	ISYS6169	Database Systems	4/2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	COMP6049	Algorithm Design and Analysis*	4	22	
	COMP6100	Software Engineering* ^{&***}	4		
	CPEN6098	Computer Networks	2/2		
	COMP6065	Artificial Intelligence*	4		
	COMP6176	Human and Computer Interaction	2/2		
	ENTR6003	Entrepreneurship I	2		
	4	COMP6062	Compilation Techniques		4
COMP6153		Operating System	2/2		
Elective Course***					
COMP6175		Object Oriented Programming*	2/2		
MOBI6023		Mobile User Experience	2		
GAME6012		User Experiences	2		
COMP6060		Programming Language Concept*	2		
COMP6179		Introduction to Information Security	4		
COMP6180		Computer Security Foundation	2		
MOBI6003		Introduction to Mobile Application and Technology	4		
STAT6026		Probability and Statistics	2		
GAME6001		Introduction to Game Technology	2		
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			

Sem	Code	Course Name	SCU	Total	
4	COMP6064	Geographical Information System*	2/1	24	
	Streaming: Applied Database				
	ISYS7155	Applied Database I	4		
	COMP6064	Geographical Information System*	2/1		
	ISYS6172	Database Design	2/1		
	Streaming: Networking				
	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		
	Streaming: Cyber Security				
	COMP6181	Cyber Security Analysis and Method*	2/2		
	COMP6120	Network Programming	2/2		
	COMP6182	Security for Multimedia	2		
	Streaming: Mobile Application Technology				
	MOBI6002	Mobile Object Oriented Programming*	2/2		
	MOBI6043	Mobile Testing and Implementation* ^{&***}	2		
	MOBI6006	Mobile Community Solution*	2/2		
	Streaming: Game Application Technology				
	GAME6002	Game Design*	2		
	GAME7029	2D Game Programming*	4		
GAME6033	Storyboarding & Concept Art*	2			
GAME6050	Game Engine Programming*	2			
5	CHAR6015	Character Building: Agama	2	23	
	ENTR6004	Entrepreneurship II	2		
	LANG6061	Indonesian	1		
	Elective Course***				
	COMP6144	Web Programming* ^{&***}	2/1		
	STAT6021	Research Methodology	2		
	MKTG6063	Market Research Methodologies	2		
	COMP6099	Advanced Object Oriented Programming	2		
	MOBI6008	Mobile Game Creative Design	2		
	COMP6226	Competitive Programming*	2		
	COMP7084	Multimedia Systems	2/1		
	CPEN6102	Network Security Administration	2/2		
	COMP6183	Secure Web Programming	2/2		
LAWS6110	Cyber Law	2			

Sem	Code	Course Name	SCU	Total	
5	MOBI6025	Mobile Application Security	2	23	
	MOBI6012	Web Design	2/2		
	GAME6004	Object Oriented Game Programming	2/2		
	GAME7045	Mobile & Web Game Programming	4/2		
	Streaming: Software Engineering				
	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: Networking				
	COMP6121	Server Technology	4		
	COMP7142	Popular Network Technology*	2/2		
	Streaming: Applied Networking				
	CPEN8093	Applied Networking II	4		
	CPEN8094	Applied Networking III	4		
	Streaming: Cyber Security				
	CPEN6101	Advanced Network Programming	2/2		
	COMP6193	Cyber Forensic*&***	2/2		
	Streaming: Mobile Application Technology				
	MOBI6026	Mobile Cloud Computing*	2/2		
MOBI6009	Mobile Multimedia Solution	2/2			
Streaming: Game Application Technology					
GAME7044	2D Animation*	2/2			
GAME6043	3D Modeling for Games*	2/2			
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 elective courses with 6 credits in semester 4*
 - *Students choose elective courses with 10 credits in semester 5*

English University Courses:

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

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

Enrichment Program I (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					
	IE	RS	ENTR	CD	SA	*etc	IE	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:

- IE : 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
COMP6155	Industry Experience I	7	
COMP6156	EES in Industry I	4	
COMP6157	IT Practice in Industry I	4	16
Enrichment Program II			
COMP6161	Industry Experience II	8	
COMP6162	EES in Industry II	4	16
COMP6163	IT Practice in Industry II	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			15
ENTR6062	Business Start Up	7	
ENTR6149	IT Business Model & Validation	2	
ENTR6150	Launching New IT Venture	2	
ENTR6068	EES in New Business	4	16
Enrichment Program II			
ENTR6070	Growing a Business	8	
ENTR6151	Lean IT Start Up & Business Plan	2	
ENTR6152	Venture Capital in IT Industry	2	16
ENTR6073	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			15
RSCH6031	Research Experience I	7	
RSCH6111	Scientific Writing I in Computer Science	4	
RSCH6033	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	4	16
Enrichment Program II			
RSCH6034	Research Experience II	8	
RSCH6112	Scientific Writing II in Computer Science	4	16
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			15
CMDV6001	Community Outreach Project Implementation	7	
CMDV6041	Community Outreach IT Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills in Computer Science Community	4	16
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	
CMDV6042	Community Development IT Project Design	4	16
CMDV6006	Employability and Entrepreneurial Skills in Computer Science 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	
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	COMP6047	Algorithm and Programming*	C
4	COMP6056	Program Design Methods*	C
5	COMP6048	Data Structures*	C
6	COMP6100	Software Engineering*	C
Streaming: Software Engineering			
7	COMP6107	Agile Software Development	C
8	COMP6115	Object Oriented Analysis & Design	C
Streaming: Database Technology			
7	ISYS6172	Database Design	C
8	COMP6119	Database Administration	C
Streaming: Intelligent System			
7	COMP7116	Computer Vision	C
8	COMP7117	Artificial Neural Network	C
Streaming: Networking			
7	COMP6120	Network Programming	C
8	COMP6121	Server Technology	C
Streaming: Applied Networking			
7	COMP6120	Network Programming	C
8	CPEN8093	Applied Networking II	C
Streaming: Interactive Multimedia			
7	COMP7094	Multimedia Programming Foundation	C
8	COMP8129	User Experience	C
Streaming: Applied Database			
7	ISYS6172	Database Design	C
8	ISYS7156	Applied Database II	C
Streaming: Game Application Technology			
7	GAME6002	Game Design	C
8	GAME7029	2D Game Programming	C
Streaming: Mobile Application Technology			
7	MOBI6002	Mobile Object Oriented Programming	C
8	MOBI6043	Mobile Testing and Implementation	C
Streaming: Cyber Security			
7	COMP6120	Network Programming	C
8	COMP6181	Cyber Security Analysis and Method	C

*) Tutorial & Multipapper

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		
	MATH6038	Calculus I*	4		
	MATH6025	Discrete Mathematics*	4		
	STAT6026	Probability and Statistics*	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	MATH6015	Applied Linear Algebra*	4		
	MATH6016	Calculus II	4		
	COMP6048	Data Structures	4/2		
	MATH6056	Scientific Computing Lab*	2		

Sem	Code	Course Name	SCU	Total
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	20
	MATH6008	Mathematical Statistics I*	4	
	MATH6019	Calculus III	4	
	MATH6057	Ordinary Differential Equations*	2/2	
	ENTR6003	Entrepreneurship I	2	
	MATH6026	Mathematics Programming*	4	
4	MATH6068	Partial Differential Equations	2	20
	MATH6009	Mathematical Statistics II	4	
	MATH6018	Modern Algebra*	4	
	MATH6023	Complex Variable Function*	4	
	MATH6059	Geometric Algebra*	4	
	MATH6058	Numerical Methods I*	2	
5	MATH6050	Actuarial Mathematics	4	22
	MATH6092	Numerical Methods II*	2	
	MATH6095	Applied Mathematics Modeling*/**	2	
	MATH6061	Computational Number Theory*	2/1	
	COMP6051	Web Programming	2/1	
	MATH6064	Applied Projective Geometry	2	
	MATH6021	Real Analysis*	4	
	STAT6021	Research Methodology*	2	
6	MATH6043	Seminar	2	22
	ENTR6004	Entrepreneurship II	2	
	MATH6066	Computational Geometry*/**	2/1	
	MATH6067	Cryptography	2/1	
	MATH6063	Coding Theory*	4	
	MOBI6021	Mobile Programming	2/2	
	MATH6049	Mathematics of Finance*	4	
7	Enrichment Program		16	16
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	16
MATH6074	Mathematical Modeling Solution in Industry	2	
MATH6075	Applied Programming in Industry	2	
MATH6114	EES in Industry	3	
LANG6061	Indonesian	1	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	

*)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	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	20	
	MATH6015	Applied Linear Algebra*	4		
	MATH6039	Calculus II	4		
	COMP6048	Data Structures	4/2		
	COMP6060	Programming Language Concepts	2		

Sem	Code	Course Name	SCU	Total
	English University Courses II			
	ENGL6129	English Savvy	2	
	ENGL6131	English for Written Business Communication	2	
3	CHAR6015	Character Building: Agama	2	20
	STAT6018	Statistical Theory I*	4	
	STAT6058	Sampling Techniques*	2	
	STAT6047	Numerical Methods for Statistics	2	
	STAT6094	Statistical Computing Lab*	2/2	
	ISYS6169	Database Systems	4/2	
4	STAT6016	Simulation Techniques	2	20
	ENTR6003	Entrepreneurship I	2	
	STAT6020	Statistical Theory II	4	
	STAT6011	Design and Analysis of Experiments	4	
	STAT6037	Non Parametric Statistics*	2	
	STAT6085	Regression Analysis*	2/2	
	STAT6044	Categorical Data Analysis	2	
5	STAT6043	Linear Model	2	22
	STAT6055	Structural Equation Modeling*	2	
	STAT6040	Scientific Computation*	4	
	STAT6053	Multivariate Statistics*	4	
	STAT6054	Econometrics*	2/1	
	STAT6036	Stochastic Process*	4	
	STAT6115	Statistical Quality Control**	2/1	
6	STAT6051	Time Series Analysis*	2/1	22
	ENTR6004	Entrepreneurship II	2	
	STAT6105	Statistical Marketing Research**	4	
	STAT6031	Seminar	2	
	MATH6049	Mathematics of Finance*	4	
	STAT6106	Statistical Process Control*	4	
	STAT6050	Survival Analysis*	2/1	
7	Enrichment Program		16	16
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	16
STAT6091	Data Analysis in Industry	2	
STAT6092	Statistical Program in Industry	2	
STAT6117	EES in Industry	3	
LANG6061	Indonesian	1	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	

*)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	COMP6047	Algorithm and Programming*	C
4	COMP6048	Data Structures*	C
5	STAT6026	Probability and Statistics	C
6	MATH6039	Calculus II*	C
7	STAT6020	Statistical Theory II*	C
8	STAT6085	Regression Analysis	C
9	STAT6036	Stochastic Process	C
10	STAT6053	Multivariate Statistics*	C

*Tutorial & Multipaper

2.2.2 School of Information Systems

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

School of Information Systems offers 4 programs (S1) and one diploma program (D3). The program are Information Systems, Accounting Information Systems, Information Systems Audit, Business Information Technology and also 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, enterprise systems, database, and IS project management.

Vision

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

Mission

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

1. Nurturing students and lecturers with creative and value-adding talents in Information System by creating a suitable environment.
2. Educating students in information systems, covering knowledge and skills in analyzing, designing and implementing information systems for improving business processes and to be able to create an innovative and

valuable information system solution, through intensive learning process, research activities and collaboration with global industries.

3. Providing integrated knowledge to pursue further studies and create outstanding professionals, entrepreneurs, and leaders for a global community
4. Providing professional services in Information System with an emphasis on the application of knowledge to society
5. Improving the quality of life of Indonesians and the international community through leveraging Information system solutions.

Program Objective

The objectives of the program are:

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

Student Outcomes

After completing the study, graduates are:

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

Prospective Career of the Graduates

Graduates will have the necessary skills to work as:

1. Application Developer
2. System Analyst

3. Business Analyst
4. Business Process Analyst
5. Database Administrator
6. Database Analyst
7. E-Business Specialist
8. ERP Specialist
9. IT Architect
10. IT Consultant
11. System Designer
12. Database Administrator
13. IT/IS Consultant
14. Web-Developer/Web-Designer

Curriculum

The Information Systems Study Program curriculum is designed in such a way as to refer 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 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, 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 Database and Applied ERP.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	ACCT6133	Introduction to Financial Accounting	4	20	
	ISYS6186	Business Process Fundamental*	4		
	ISYS6093	Information System Concept*	4		
	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	20	
	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		
	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		
	4	CHAR6015	Character Building: Agama		2
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			

Sem	Code	Course Name	SCU	Total	
	ISYS6206	IS Strategy, Management and Acquisition	4		
	Streaming : Applied Database				
	ISYS6283	Business Intelligence	4		
	ISYS6210	Data Visualization*	2		
	ISYS7155	Applied Database I	4		
5	ISYS8108	Knowledge Management*	4	24	
	ENTR6004	Entrepreneurship II	2		
	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		
	Streaming : e-Business				
	ISYS6187	Business Web Solution	4		
	ISYS6289	Collaborative Computing*	4		
	ISYS6203	Mobile Applications Development	2/2		
	Streaming : Applied ERP				
	ISYS6205	Enterprise Architecture	4		
	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 & Data Mining	4		
ISYS7156	Applied Database II	4			
ISYS7157	Applied Database III*	4			
6	Enrichment Program I		16	16	
7	Enrichment Program II		16	16	
8	ISYS6117	Thesis	6	6	
TOTAL CREDITS 146 SCU					

*) This course is delivered in English

**) Entrepreneurship embedded

English University Courses:

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

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

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

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

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			
ISYS6215	Experience in Industry	8	16
COMM6225	Business Communication	3	
ISYS6192	Requirement and Solution for Information Systems	4	
LANG6061	Indonesian	1	
Enrichment Program II			
ISYS6347	Professional Program in Industry	8	16
BUSS6057	Business Ethic	4	
ISYS6193	Design and Evaluation for Information Systems	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	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 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	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
Stream: Business Intelligence			
7	ISYS6283	Business Intelligence*	C
8	ISYS6200	Data Warehouse	C
Stream: Strategic Information Systems			
7	ISYS6206	IS Strategy, Management and Acquisition	C
8	ISYS6205	Enterprise Architecture*	C
Stream: e-Business			
7	ISYS6204	e-Business Design*	C
8	ISYS6187	Business Web Solution	C
Stream: Applied ERP			
7	ISYS6206	IS Strategy, Management and Acquisition	C
8	ISYS6205	Enterprise Architecture*	C
Stream: Applied Database			
7	ISYS6283	Business Intelligence*	C
8	ISYS6201	Data Warehouse & Data Mining	C

*) Tutorial & Multipaper

Computerized Accounting

Introduction

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

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

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

Computerized Accounting skills are essential to any business practice

The manual accounting system is being replaced by computerized systems.

Today, employment is required capability that is ready to work

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

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

Vision

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

Mission

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

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

Program Objective

The objectives of the program are:

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

Student Outcomes

After completing the study, graduates are:

1. Able to create information system software on a variety transaction (human resources, tax, finance, production, assets, purchasing, and marketing)
2. Able to identify and analyze problems in information system software related transaction information in a variety of functions (human resources, tax, finance, production, assets, purchasing, and marketing).
3. Able to choose software development method and accounting system method to include 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	
	CHAR6023	Character Building: Pancasila	2	
	COMP5050	Introduction to Programming	2/4	
	ACCT5107	Accounting Principles II	2/2	
	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

Accounting Information Systems

Introduction

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

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

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

Vision

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

Mission

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

1. Recognizing and rewarding the most creative and value adding talents
2. Educating students about analytical and problem solving skills, and good character in business information systems and information technology valuation

3. Preparing graduates for global industry/entrepreneurship and continue for advanced degrees, by providing a conducive learning process, intensive applied research activities and collaboration with global industries.
4. Conducting professional services in Accounting Information System with an emphasis on the application of knowledge to society.
5. Improving the quality of life for Indonesians and the international community through sharing knowledge of Business Applications.

Program Objective

The objectives of the program are:

1. To provide students with a solid foundation of accounting, business process knowledge and applied skills and abilities that they will need as a system analyst
2. To provide students with the techniques and knowledge to analyze accounting information system as an accounting cycle system analyst or consultant
3. To provide students with techniques and knowledge to design and construct accounting information system
4. To provide students with applied business application knowledge for specific industry purposes

Student Outcomes

After completing the study, graduates are:

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

Prospective Career of the Graduates

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

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

8. Instructor or lecturer in the education institution
9. Working in research area
10. Develop entrepreneurship

Curriculum

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

Course Structure

Sem	Code	Course Name	SCU	Total	
1	COMP6178	Introduction to Programming	2/2	20	
	ACCT6133	Introduction to Financial Accounting	4		
	ISYS6186	Business Process Fundamental*	4		
	ISYS6093	Information System Concept*	4		
	STAT6081	Statistics	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6013	Character Building: Pancasila	2	20	
	ISYS6212	Accounting Information System Development*	2/2		
	ACCT6134	Intermediate Accounting	4		
	ISYS6123	Introduction to Database Systems*	2/2		
	ISYS6197	Business Application Development	2/2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6014	Character Building: Kewarganegaraan	2	24	
	ENTR6003	Entrepreneurship I	2		
	ISYS6209	User Experience	2/2		
	ISYS6037	Manufacturing Information System*	4		
	ISYS6126	Enterprise System*	4		
	ACCT6117	Advanced Accounting	4		
	ISYS6198	Data & Information Management	4		

Sem	Code	Course Name	SCU	Total	
4	CHAR6015	Character Building: Agama	2	22	
	ISYS6211	Web based Application Development	2/2		
	ISYS6336	Services Information System	2		
	ISYS6015	Accounting Information Systems Analysis and Design*/**	4		
	ISYS6338	Testing and System Implementation*	2		
	TAXN6019	Taxation	4		
	Elective Courses***				
	FINC6001	Financial Management	4		
	ISYS7158	Applied ERP I	4		
5	ENTR6004	Entrepreneurship II	2	22	
	ISYS6191	Advanced in Business Application Development**	2/4		
	ACCT6013	Cost Accounting*	4		
	STAT6021	Research Methodology	2		
	ISYS6256	Information Systems Project Management*	4		
	Elective Courses***				
	ACCT6010	IT Cost Management	4		
	ISYS7160	Applied ERP III	2		
	ISYS7162	Applied ERP V	2		
6	Enrichment Program I		16	16	
7	Enrichment Program II		16	16	
8	ISYS6018	Thesis	6	6	
TOTAL CREDIT 146 SCU					

*) This course is delivered in English

**) Entrepreneurship embedded

***) Students choose 4 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 (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			16
ISYS6345	Experience in Industry	8	
COMM6226	Business Communication	3	
ISYS6230	Accounting Information Systems in Industry	4	
LANG6061	Indonesian	1	
Enrichment Program II			16
ISYS6346	Professional Program in Industry	8	
BUSS6056	Business Ethic	4	
ISYS6231	Financial Accounting Information Systems	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
ENTR6070	Growing a Business	8	
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

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

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

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

*) Tutorial & Multipaper

Information Systems Audit**Introduction**

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

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

Vision

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

Mission

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

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

5. Conducting intensive applied research activities in information systems audit and collaboration with global industries.

Program Objective

The objectives of the program are:

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

Student Outcomes

After completing the study, graduates are:

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

Prospective Career of the Graduates

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

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

Curriculum

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

Course Structure

Sem	Code	Course Name	SCU	Total	
1	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	20	
	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		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		

Sem	Code	Course Name	SCU	Total
3	CHAR6014	Character Building: Kewarganegaraan	2	22
	ENTR6003	Entrepreneurship I	2	
	ISYS6205	Enterprise Architecture	4	
	ISYS6264	Testing and System Implementation*	4	
	ISYS6126	Enterprise System*	4	
	STAT6021	Research Methodology	2	
	ISYS6198	Data and Information Management	4	
4	CHAR6015	Character Building: Agama	2	24
	ISYS6151	Information System Security	4	
	ISYS6403	Computer Assisted Audit Tools & Techniques I	2	
	ISYS6340	Information System Investigation**	4	
	ISYS6341	Information System Audit	4	
	ISYS6256	Information Systems Project Management*	4	
	ISYS6206	IS Strategy, Management & Acquisition	4	
5	ENTR6004	Entrepreneurship II	2	22
	ISYS6342	Information System Control	4	
	ISYS6343	Information System Quality Assurance	4	
	ISYS6353	IT Governance**	4	
	ISYS6266	Business Continuity and Disaster Recovery	2	
	ISYS6404	Computer Assisted Audit Tools & Techniques II	2	
	ISYS7052	IS Risk Management*	4	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	ISYS6056	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			
ISYS6207	Industrial Experience	8	16
COMM6227	Business Communication	3	
ISYS6232	Applied Topics in Information Systems Audit	4	
LANG6061	Indonesian	1	
Enrichment Program II			
ISYS6208	Professional Experience	8	16
BUSS6058	Business Ethic	4	
ISYS6233	Advanced Topics in Information Systems Audit	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	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 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	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

Business Information Technology

Introduction

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

Vision

To be global business information technology program with social informatics driven and entrepreneur mindset.

Mission

The mission of business information technology program is to contribute to the global community through the provision of world-class education by:

1. Leveraging people's potential for success through creative and value-adding talents in Business Information Technology by creating a suitable environment.
2. Educating students with a knowledge, skills and practice in Business Information Technology and prepare them for pursuing advanced degrees in Business, Information Technology, Social Informatics and related disciplines.
3. Providing integrated knowledge to pursue further studies and create outstanding professionals, entrepreneurs, and leaders for a global community
4. Conducting research and professional services in Business Information Technology with an emphasis on the application of knowledge to society.
5. Improving the quality of life of Indonesians and the international community through leveraging Business Information Technology solutions.

Program Objective

The objectives of the program are:

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

Student Outcomes

After completing the study, graduates are:

1. Able to identify and formulate the root cause of system performance information through data analysis and information on business processes
2. Able to identify the needs of the database for building information systems.
3. Able to design, create and manipulate and implement computer-based information system independently or in groups through the study of information systems to develop a strategic plan at the level of small and medium organizations.
4. Able to design, create, manipulate and implement computer based information system for new business model and processes in an organization at the level of small and medium-sized
5. Able to communicate alternative solutions development and implementation of information systems based on theory either independently or in groups in writing, designing, and prototyping.
6. Able 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 Business Analytics application for the organization.
8. Able to evaluate business process integration and corporate strategy for designing an integrated business information technology in an organization.

Prospective Career of the Graduates

Graduates of business information technology program will have an understanding of the relationship between business analytics, social media, and entrepreneurship. Therefore, graduates will have both IT knowledge and Business skills and able to develop their career in any company but not limited to services, commerce, and manufacturing companies as well as Technopreneur. The professions that graduates can get in IT Business Analyst, Web Analytics Consultants, social media consultants, systems developer, systems analyst, business analyst, programmer analyst, project analyst, database developer, software developer, programming consultant, information manager, applications developer, and information management consultant.

Curriculum

This program is designed in such a way as to refer 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 program in information systems), Computing Curricula 2005 and A Cooperative Project of ACM, AIS, IEEE-CS. And focusing in Business, Information Technology, and Social Informatics, as a result, Graduates would be able to construct Business Analytics and Social Media Listening for any organizations to help their performance and business strategy. In addition, the curriculum has been influenced by foreign universities with a reputation for quality Business Information Technology Programs.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	ACCT6133	Introduction to Financial Accounting	4	20	
	ISYS6186	Business Process Fundamental*	4		
	ISYS6093	Information System Concept*	4		
	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	20	
	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		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6014	Character Building: Kewarganegaraan	2	22	
	ISYS6126	Enterprise System*	4		
	ENTR6003	Entrepreneurship I	2		
	ISYS6209	User Experience	2/2		
	MGMT6238	Service Management Fundamental	4		
	ISYS6016	Social Media Fundamental	2		
	ISYS6198	Data and Information Management	4		
4	CHAR6015	Character Building: Agama	2	24	
	ISYS6163	Advanced Information System Analysis and Design**	4/2		
	ISYS6264	Testing and System Implementation*	4		
	ISYS6283	Business Intelligence	4		
	ISYS6202	Social Informatics*	4		
	ISYS6203	Mobile Application Development	2/2		
5	STAT6021	Research Methodology	2	22	
	MGMT6029	Knowledge Management	2		
	ENTR6004	Entrepreneurship II	2		
	ISYS6191	Advanced in Business Application Development**	2/4		
	ISYS6402	Business Analytics*	2/2		
	BUSS6088	Current Issue in Business and Technology	2		
	ISYS6256	Information Systems Project Management*	4		
6	Enrichment Program I		16	16	
7	Enrichment Program II		16	16	
8	ISYS6117	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			
ISYS6215	Experience in Industry	8	16
COMM6225	Business Communication	3	
ISYS6192	Requirement and Solution for Information Systems	4	
LANG6061	Indonesian	1	
Enrichment Program II			
ISYS6347	Professional Program in Industry	8	16
BUSS6057	Business Ethic	4	
ISYS6193	Design and Evaluation for Information Systems	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	16
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	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 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	ISYS6188	Information System Analysis and Design*	C
4	ISYS6126	Enterprise System	C
5	ISYS6198	Data and Information Management*	C
6	ISYS6256	Information Systems Project Management	C
7	ISYS6202	Social Informatics	C
8	ISYS6402	Business Analytics*	C

*) Tutorial & Multipaper

2.2.3 School of Business Management

School of Business Management is founded in 2011 after separating itself from Faculty of Business and Economics. The separation is meant to make the school more focus on developing students in knowledge, art and skills in business & management studies. The focus may help students to cope with the ever changing business needs now and in the future.

School of Business Management at Binus University currently manages some first degree programs, they are: Management (S1 - SE), International Marketing (S1 - SE), International Business Management (S1 - SE), Business Creation (S1 - SE), and Business Management (S1 – SE) with focus in the services management area. All the programs are launched to offer high quality programs to students. The curriculum of each program is continuously updated and benchmarked to local and international industry and many reputable international universities. School of Business and Management's Single Degree has been awarded grade A from National Accreditation Agency for Higher Education (BAN-PT), and in the year of 2010, 2011, 2012, and 2013 has been recognized as one of Best School of Management in Indonesia by Mix Magazine. In 2012 School of Business Management is awarded the 1st rank in Best private School of Management in Indonesia by Mix Magazine.

Management program emphasizes in business decision-making applied within small to large businesses. The content of the curriculum mirrors the background for students who plan either to develop their entrepreneurial skills or to enter into professional fields in business and organizations, international marketing or e-business.

The International Marketing program was established in 2011. The program itself is designed for students seeking innovative ways in looking at various business problems. The principles approaches, 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 marketing management training programs in corporations all sectors.

The International Business first run in 2012. The program is designed to enable students to cope with ever changing 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. 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 development of the entrepreneurship stream in management program. This program is designed specifically to produce graduates who are able to establish and run a new business (business start-up). Students will be equipped with the knowledge and skills about how to find business opportunities and be generating innovative business ideas; how to design a business model and write a business plan that generates strong revenue streams; how to grow and develop the business. In addition, 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 is established in 2016. Since the third quarter of the year 2015, Indonesia has actively participated as an ASEAN Economic Community (AEC)'s member country. This AEC needs local and brings international services companies to Indonesia in order 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 kinds of businesses.

Management

Introduction

The design of management study program curriculum reflects the aim of the study program to adapt and anticipate the business environment changes at present and in the future. This objective is achieved by improving the student's knowledge on core subject. In this case, management curriculum gives priority to the materials which emphasize the science and art of business concepts and methods. Students are guided and encouraged to think either as manager or business leader.

With this view, graduates are expected to have potential to be manager in the future because they can demonstrate the following competencies, such as: ability to develop and manage a business, ability to apply information technology application in business, knowledge of organizational perspective in organization, human resources, operations and information system management and readiness to work in various field both nationally and internationally. The Management curriculum also provides scheme and platform through 3+1 program, to support students improve both practical and managerial skill.

Method of learning use, known as a multi-channel learning model, is expected to motivated students to be long life learners as well as getting involved in a social community. In this model, the students will have a face to face sessions in class, then self-study by using textbook and CD-ROM and finally collaborative online learning. The method is intended to encourage the students to learn independently by using the technology available. Furthermore, the method opens the access for students exploring a variety of learning sources from overseas.

Vision

To be an internationally recognized business management study program with ICT driven and entrepreneurial ability.

Mission

The mission of Management Department 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 a knowledge, skills and practice in International Marketing, Entrepreneurship, E-business, and business organization and prepare them for pursuing advanced degrees in 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 marketing, entrepreneurship, e-business and business organizations.
5. Improving competitive managerial skills through impression management, strategic and collaborative influence.

Program Objective

The objectives of the program are:

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, finance and business organization, 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 international marketing and business.

Student Outcomes

After completing the study, graduates are:

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

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 consultants, as a middle manager in enterprises (including manufacturing, services, hospitals, hotels, banks, education, agri-business) as well as being an entrepreneur, all of which require the need for a

thorough knowledge of information technology. By demonstrating the competencies listed above, BINUS UNIVERSITY Management graduate will be ready to face dynamic challenges of business.

Curriculum

The curriculum is based on both the National Curriculum and Management study program association that covers Management knowledge and skills as well as attitude to support core competence in the following optional subjects:

1. **E-Business:** Graduates will be expected to comprehend the design and management of new methods in business in the digital era.
2. **Business Development Management :** Graduates will be able to integrate business development and management principle into the strategic plan in the competitive dynamics of global business
3. **Business and Organization:** Graduates will be able to implement capability of taking on challenges and compete with global organization and business.

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	20	
	ECON6006	Macroeconomics*	4		
	ISYS6118	Management Information Systems	4		
	STAT8067	Business Statistics I	2		
	MKTG8005	Marketing Management*	4		
	COMP6203	Office for Professional	2		
	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	
	MGMT6038	Cross Cultural Management	2		
	COMM8006	Business Communication	2		
	MGMT6012	Human Resources Management	4		
	ECON8009	Managerial Economics	4		
	BUSS6066	Business Ethics	2		
	ENTR6003	Entrepreneurship I	2		
	Stream : Business and Organization				
	MGMT6022	Management and Organization*	4		
	Stream : Business Development Management				
	MKTG6164	Customer Relationship Management*	4		
	Stream : E-Business				
	ISYS6079	E-Business System*	4		
4	CHAR6015	Character Building: Agama	2	22	
	ACCT6049	Managerial Accounting	4		
	FINC6001	Financial Management	4		
	Stream : Business and Organization				
	MGMT6046	Management Science	4		
	MGMT6122	Leadership and Managing Human Capital in Organization*/**	4		
	MGMT6145	Compensation and Performance Management*	2		
	MGMT6033	Advanced Topics in Business and Organization	2		
	Stream : Business Development Management				
	BUSS6067	Business Development**	4		
	MGMT6196	Project Management	4		
	BUSS6068	Managing Innovation and Knowledge*	2		
	MKTG6165	Market Research	2		
	Stream : E-Business				
	COMP6233	Website Design**	2/2		
	FINC6081	Analysis on E-Business Investment*	2		
	ISYS6084	Database	2/2		
ISYS6085	Advanced Topics in E-Business	2			

Sem	Code	Course Name	SCU	Total	
5	RSCH6026	Research Methodology	4	24	
	STAT8068	Business Statistics II	2/2		
	MGMT6018	Operational Management	4		
	ENTR6004	Entrepreneurship II	2		
	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			16	
	Enrichment Program I		16		
	Stream : Business Development Management				
	Enrichment Program I		16		
	Stream : E-Business				
Enrichment Program I		16			
7	Stream : Business and Organization			16	
	Enrichment Program I		16		
	Stream : Business Development Management				
	Enrichment Program I		16		
	Stream : E-Business				
Enrichment Program I		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
Stream: Business and Organization for students with GPA ≥ 2,75												
1	v						v					
2	v							v				
3		v					v					
4		v						v				
5		v								v		
6					v			v				
7					v					v		
8			v						v			
Stream: Business and Organization for students with GPA < 2,75												
9		v					v					
10		v						v				
11		v								v		
12				v			v					
13				v						v		
14				v				v				
15			v						v			
Stream: E-Business for students with GPA ≥ 2,75												
16	v						v					
17	v							v				
18		v					v					
19		v						v				
20		v								v		
21					v			v				
22					v					v		
23			v						v			
Stream: E-Business for students with GPA < 2,75												
24		v					v					
25		v						v				
26		v								v		
27				v			v					
28				v						v		
29				v				v				
30			v						v			
Stream: Business Development Management for students with GPA ≥ 2,75												
31	v						v					
32	v							v				
33		v					v					
34		v						v				
35		v								v		
36					v			v				
37					v					v		

Track	Semester 6						Semester 7					
	I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
38			v						v			
Stream: Business Development Management for students with GPA < 2,75												
39		v					v					
40		v						v				
41		v								v		
42				v			v					
43				v						v		
44				v				v				
45			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 : Business and Organization				
MGMT7124	Industrial Experience	8	16	
MGMT6125	Business & Organization in Industrial Experience	2		
MGMT6126	Organizational Performance & Evaluation in Industrial Experience	2		
MGMT7217	EES in Industrial Experience	3		
LANG6061	Indonesian	1		
Stream : Business Development Management				
MGMT6197	Industrial Experience	8		
MGMT6198	Business Development in Industrial Experience	2		
MGMT6199	Project Management in Industrial Experience	2		
MGMT6228	EES in Industrial Experience	3		
LANG6061	Indonesian	1		
Stream : E-Business				
MGMT7130	Industrial Experience	8		
MGMT6131	E-Business Management in Industrial Experience	2		
MGMT6132	E-Business Application in Industrial Experience	2		
MGMT7216	EES in Industrial Experience	3		
LANG6061	Indonesian	1		

Code	Course Name	SCU	Total	
Enrichment Program II				
Stream : Business and Organization				
MGMT7134	Professional Experience	8	16	
MGMT6135	Business & Organization in Professional Experience	2		
MGMT6136	Organizational Performance & Evaluation in Professional Experience	2		
MGMT7137	EES in Professional Experience	4		
Stream : Business Development Management				
MGMT6201	Professional Experience	8		
MGMT6202	Business Development in Professional Experience	2		
MGMT6203	Project Management in Professional Experience	2		
MGMT6204	EES in Professional Experience	4		
Stream : E-Business				
MGMT7140	Professional Experience	8		
MGMT6141	E-Business Management in Professional Experience	2		
MGMT6142	E-Business Application in Professional Experience	2		
MGMT7143	EES in Professional Experience	4		

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6031	Research Experience I	8	
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
RSCH6034	Research Experience II	8	
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	16
Enrichment Program I: For student who takes research track only in semester 6, should take these courses:			
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II: For student who takes research track only in semester 7, should take these courses:			16
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	16
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	

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

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	MGMT6022	Management and Organization	4	3
Stream : E-Business							
ISYS8175	E-Business Strategy and Implementation	4	5	ISYS6079	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	FINC6001	Financial Management	C
5	MGMT6012	Human Resources Management*	C
6	ECON6005	Microeconomics	C
Stream: Business and Organization			
7	MGMT6022	Management and Organization*	C
8	MGMT6122	Leadership and Managing Human Capital in Organization*	C
Stream: Business Development Management			
7	BUSS6067	Business Development	C
8	BUSS6071	Organization Development Strategy*	C
Stream: E-Business			
7	ISYS6079	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.

Vision

To be globally recognized International Marketing program with entrepreneurial and ICT abilities.

Mission

The mission of International Marketing 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 a knowledge, skills and practice in International Marketing and prepare them for pursuing advanced degrees in management or related disciplines.
3. Creating entrepreneurial and ICT ability managers to lead and work in a wide variety of business contexts and industries especially in International Marketing fields
4. Conducting research and professional services for entrepreneurial international marketing
5. Improving competitive managerial skills through impression international marketing management, strategic and collaborative influence.

Program Objective

The objectives of the program are:

1. To provide students with knowledge and skills in the International Marketing art and Science foundation combined with a Business management platform to prepare them in and growing them through delivering a global superior customer value that they need in managing the global business marketing competition and application of strategic thinking in the pursuit of global marketing specialist
2. To equip students with sufficient ICT integration, strategic International Marketing capabilities and competencies and application of strategic thinking in the pursuit of global marketing specialist
3. To provide students with an in-depth advance understanding of the issues regarding implementation and control of the international marketing programs in an across global business sectors that they need to be a future global marketing agent of change.

Student Outcomes

After completing the study, graduates are:

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

Prospective Career of the Graduates

1. Digital Marketing Specialists
2. Market Analysts
3. Marketing Consultant
4. International Marketing Researcher
5. Global entrepreneur

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 strategic and advanced ICT based utilization of marketing in global market competition, global integrated strategic marketing implementation, and control. Therefore, the teaching materials are enhanced to satisfy the stakeholders and to create and manage marketing competitive excellence in across global market sectors.

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	20	
	ECON6037	Microeconomics	2		
	ISYS6118	Management Information Systems	4		
	MGMT6168	International Human Resources Management*	4		
	STAT8068	Business Statistics II	2/2		
	COMP6203	Office for Professional	2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6014	Character Building: Kewarganegaraan	2	22	
	ECON8009	Managerial Economics	4		
	ECON6038	Macroeconomics	2		
	COMM8006	Business Communication	2		
	FINC6001	Financial Management	4		
	ENTR6003	Entrepreneurship I	2		
	MKTG6020	Selling and Sales Management*	2		
	MKTG8006	Consumer Behaviour	4		
4	CHAR6015	Character Building: Agama	2	24	
	MGMT6018	Operational Management	4		
	MGMT6038	Cross Cultural Management	2		
	RSCH6026	Research Methodology	4		
	MKTG6127	Retail and Merchandising**	4		
	MKTG6067	Product Strategy and Project	2		
	MKTG6023	International Marketing	2		
	MKTG7123	Service Marketing*	4		

Sem	Code	Course Name	SCU	Total
5	ENTR6004	Entrepreneurship II	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	
	MKTG6110	Marketing Research	4	
6	Enrichment Program I		16	16
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	Kriteria IPK	Semester 6						Semester 7						
		I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc	
1	≥ 2	v						v						
2	≥ 2	v							v					
3	≥ 2	v								v				
4	≥ 2	v									v			
5	≥ 2	v												v
6	≥ 2		v						v					
7	≥ 2			v						v				
8	≥ 2				v						v			
9	<2						v							v
10	<2						v			v				
11	<2						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			
MKTG6058	Industry Experience	8	16
MKTG6101	Industrial Marketing Practice	2	
MKTG6102	Marketing Research in Industrial Practices	2	
MKTG6167	Employability and Entrepreneurial Skill in Industrial Experience	3	
LANG6061	Indonesian	1	
Enrichment Program II			
MKTG6104	Professional Experience	8	16
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
<i>For students who only take Entrepreneurship track in semester 6 and 7, should take these courses:</i>			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			
Enrichment Program II			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6031	Research Experience I	8	16
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6034	Research Experience II	8	16
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
Enrichment Program II: For student who only takes research track in semester 7, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	16
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	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 STAT8068 - 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	FINC6001	Financial Management	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**

International Business Management Program is designed to face the changing and dynamic era in the global business world. Curriculum is designed with a combination of the mastery in conceptualize theory and application 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.

Vision

To be an internationally recognized international business management program with ICT driven and entrepreneurial ability.

Mission

The mission of International Business Management 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 a knowledge, skills and practice in International Business and prepare them for pursuing advanced degrees in 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 business with an emphasis on application of International Business knowledge to the society.
5. Improving competitive managerial and entrepreneurial skills through impression international business management, strategic and collaborative influence

Program Objective

The objectives of the program are:

1. To provide students with fundamental knowledge in International Business art and Science foundation combined with a Business management platform to prepare them in and growing them through delivering a global superior customer value that they need in managing the global business competition.
2. To equip students with sufficient ICT integration, strategic international business capabilities and competencies and application of strategic thinking in the pursuit of global business areas.
3. To provide students with an in depth advance understanding of the issues regarding implementation and control of the international business programs in an across global business sectors that they need to be a future global marketing agent of change.

Student Outcomes

After completing the study, graduates are:

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

Prospective Career of the Graduates

There are many fields of career for graduates, including but not limited to:

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

Curriculum

The Curriculum of International Business & Management department has a unique point and was designed to prepare graduate students' readiness to apply their knowledge and work in an appropriate industry, 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.

In the curriculum of International Business & Management, students prepared to have international experiences, with required terms and conditions, as this follow:

- 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	ISYS6118	Management Information Systems	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	20	
	BUSS7001	International Business*	4		
	ACCT6087	Introduction to Accounting	4		
	ECON6038	Macroeconomics	2		
	MGMT6168	International Human Resources Management*	4		
	STAT8067	Business Statistics I	2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6014	Character Building: Kewarganegaraan	2	22	
	FINC6001	Financial Management	4		
	STAT8068	Business Statistics II	2/2		
	BUSS7005	International Trade*	4		
	ENTR6003	Entrepreneurship I	2		
	LAWS6074	Law in International Business*	2		
	MGMT6042	Cross-Cultural Management**/**	4		

Sem	Code	Course Name	SCU	Total
4	CHAR6015	Character Building: Agama	2	24
	BUSS6012	International Business Project I ^{*/**/**}	2	
	COMM8006	Business Communication [*]	2	
	MGMT6018	Operational Management	4	
	ACCT6049	Managerial Accounting	4	
	MKTG6023	International Marketing [*]	2	
	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	
	ENTR6004	Entrepreneurship II	2	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	MGMT6044	Thesis	6	6
TOTAL CREDIT 146 SCU				

**) This course is delivered in English*

****) Course held at the EITC/PPEI (Export Import Training Center/ Pendidikan dan Pelatihan Ekspor Indonesia)*

*****) 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	Kriteria IPK	Semester 6						Semester 7					
		I	RS	ENTR	CD	SA	*etc	I	RS	ENTR	CD	SA	*etc
1	≥ 2,75	V						V					
2		V							V				
3		V								V			
4		V									V		
5		V										V	
6	≥ 2,75		V					V					
7			V						V				
8			V							V			
9			V								V		
10			V									V	
11	≥ 2,75			V				V					
12				V					V				
13				V						V			
14				V							V		
15				V								V	
16	≥ 2,75				V			V					
17					V				V				
18					V					V			
19					V						V		
20					V							V	
21	≥ 2,75					V		V					
22						V			V				
23						V				V			
24						V					V		
25						V						V	
26	< 2,75	V						V					
27		V								V			
28		V									V		
29	< 2,75			V				V					
30				V						V			
31				V							V		
32	< 2,75				V			V					
33					V					V			
34					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	16
BUSS6032	International Business in Industry	2	
BUSS6033	Global Strategy in Industry	2	
BUSS6077	Communication and Team Work Skill	3	
LANG6061	Indonesian	1	
Enrichment Program II			
BUSS6035	Professional Experience	8	16
BUSS6036	International Trade in Industry	2	
BUSS6037	Management Information System Application in Industry	2	
BUSS6038	Problem Solving and Decision Making Skill	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
<i>For students who only take Entrepreneurship track in semester 6, should take these courses:</i>			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
<i>For students who take Entrepreneurship track in semester 6 and 7, should take these courses:</i>			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			
Enrichment Program II			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6031	Research Experience I	8	16
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6034	Research Experience II	8	16
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
Enrichment Program I: For student who takes research track only in semester 6, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II: For student who takes research track only in semester 7, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	16
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	16
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	
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	4	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	FINC6001	Financial Management	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.

Vision

To be globally recognized Business Creation Program with high quality of entrepreneurial skills and ICT abilities.

Mission

The mission of Business Creation 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 entrepreneurial knowledge and skills to prepare them for creating new business.
3. Creating creative and innovative entrepreneurs who are able to capture business opportunities in a wide variety of markets and industries.
4. Conducting entrepreneurial research, professional services and community development to the society.
5. Contributing to the improvement in entrepreneurial knowledge and practice in global communities.

Program Objective

The objectives of the program are:

1. To provide students with fundamental knowledge in Management Science and Business that they will need in management practices.
2. To equip students with entrepreneurial skills integrated with ICT and high impact research providing adequate tools for business creation.
3. To provide students with an advanced knowledge and practical of business creation in an across global business sectors that they need to be a future global entrepreneurs.

Student Outcomes

After completing the study, graduates are:

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

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	20
	ECON6014	Microeconomics	4	
	MKTG6061	Marketing Management	4	
	ISYS6178	Management Information System	4	
	ENTR6018	Creative & Innovative Thinking*	2	
	BUSS6051	Design Thinking in Business	4	
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		16	16
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
Enrichment Program I			
ENTR6021	Business Start-Up	8	16
ENTR6022	Developing Business Model	2	
ENTR6023	Launching New Venture	2	
ENTR6084	EES in New Business I	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6028	Growing a Business	8	16
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	FINC6043	Financial Management	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 the global growth of future service competition, it is compulsory to prepare and provide graduates to fill in the growing demands of professionals in global business service fields. In order to face ASEAN Economy Community and global business service competitive, many businesses expand abroad that requires skilled professionals to market

products and services in turbulences market and respectively happened for overseas products and services. The business management program is carefully catered for the challenges mention above. This program equips students with update knowledge, business practices, and soft-skills which enable them to survive and expand their capacities.

Vision

To be global business service management program with connectivity driven and entrepreneur mindset.

Mission

The mission of business management 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 a knowledge, skills and practice in business management and prepare them for pursuing advanced degrees in management or related disciplines.
3. Creating entrepreneurial and ICT ability managers to lead and work in a wide variety of business contexts and industries especially in business management fields.
4. Conducting research and professional services for entrepreneurial business management.
5. Improving competitive managerial skills through impression business management, strategic and collaborative influence.

Program Objective

The objectives of the program are:

1. To provide students with fundamental knowledge in global business service art and science fundamental, combined with a business management platform to prepare them in and growing them through delivering a global superior customer value that they need in managing the global business competition.
2. To equip students with sufficient ICT integration, strategic business management capabilities and competencies and application of strategic thinking in the pursuit of global business areas.
3. To provide students with an in depth advance understanding of the issues regarding implementation and control of the global business service across global business sectors that they need to be a future global agent of change.

Student Outcomes

After completing the study, graduates are:

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

Prospective Career of the Graduates

The graduates of business management program will have skills in business service such as in banking, consulting, and hospital and as a manager in enterprises (including fundamental function in management area) as well as being

an entrepreneur. And demonstrating the competencies listed above, business management graduate will be ready to face dynamics challenges of global business service.

Curriculum

The curriculum of business management is designed to meet the current global business services conditions and prepare graduate students readiness to apply their knowledge in the appropriate industry. The curriculum is based on both international and national curriculum that covers the art and science of business management knowledge and skills as well as attitude to support core competence. The content of the curriculum is adjusted to the knowledge technology of ICT based utilization of global business services management. Therefore, the teaching materials are enhanced to satisfy the stakeholders and to create and manage business management excellence in across 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	20	
	ECON6006	Macroeconomics*	4		
	ISYS6118	Management Information Systems	4		
	STAT8067	Business Statistics I	2		
	MKTG8005	Marketing Management*	4		
	COMP6203	Office for Professional	2		
	English University Courses II				
	ENGL6129	English Savvy	2		
ENGL6131	English for Written Business Communication	2			
3	CHAR6014	Character Building: Kewarganegaraan	2	24	
	MGMT6018	Operational Management	4		
	ACCT6049	Managerial Accounting	4		
	STAT8068	Business Statistics II	2/2		
	ECON8009	Managerial Economics	4		
	ENTR6003	Entrepreneurship I	2		
	MGMT6238	Service Management Fundamental	4		

Sem	Code	Course Name	SCU	Total
4	CHAR6015	Character Building: Agama	2	24
	COMM8006	Business Communication	2	
	FINC6001	Financial Management	4	
	MGMT6239	Service Operation Management	2	
	TRSM6099	Hospitality & Service Excellent	2	
	MGMT6012	Human Resources Management	4	
	MKTG6175	Service Marketing Management*	4	
	BUSS6051	Design Thinking in Business	4	
5	RSCH6026	Research Methodology	4	20
	PSYC6150	Industrial and Organization in Psychology**	4	
	ISYS6196	Business Analytics*	2	
	MGMT6038	Cross Cultural Management	2	
	ENTR6004	Entrepreneurship II	2	
	BUSS6088	Current Issue in Business and Technology	2	
	MKTG6021	Customer Relationship Management	2	
	MGMT7247	Strategic Management Fundamental	2	
6	Enrichment Program I		16	16
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	

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			
MGMT6240	Experience in Industry	8	16
MGMT6241	Industrial Business Service Practice	4	
MGMT6242	Employability and Entrepreneurial Skill in Industrial Experience	3	
LANG6061	Indonesian	1	
Enrichment Program II			
MGMT6243	Professional Program in Industry	8	16
MGMT6244	Professional Practice in Business Service	4	
MGMT6245	Employability and Entrepreneurial Skill in Professional Practices	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	16
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

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

The Table of Prerequisite for 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	FINC6001	Financial Management	C
6	MGMT6012	Human Resources Management*	C
7	MGMT6238	Service Management Fundamental	C
8	MGMT6239	Service Operations Management	C

*) Tutorial & Multipaper

2.2.4 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, its historical and cultural significance, and its core technology. Together these areas of study will establish in each student a solid ground for well-informed practice or further study.
2. To educate graduates who are capable of producing new media portfolios that vividly demonstrates workmanship, creativity, conceptual insights, and attitudes of a professional design standard.

Student Outcomes

After completing the study, graduates are:

1. Able to create aesthetic and added value visual communication design works to overcome identity problem, mass communication and competition problems of 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 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	20	
	DSGN6104	Typography I	3		
	DSGN6100	Drawing II	3		
	DSGN7324	Computer Graphic I	3		
	DSGN7107	Visual Communication Design I	4		
	DSGN7132	Photography I	3		
	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	21
	DSGN6287	Visual Communication Design Reviews	2	
	DSGN7133	Photography II	3	
	DSGN7085	Typography II	3	
	ENTR6003	Entrepreneurship I	2	
	DSGN6265	Visual Communication Design II	6	
	DSGN7325	Computer Graphic II	3	
4	ARTS6015	Aesthetics	2	24
	MDIA7012	New Media I*	6	
	DSGN7326	Illustration Design	3	
	DSGN7267	Graphic Reproduction Methods I**	3	
	DSGN8106	Typography III	4	
	DSGN7288	Surface Packaging Design	6	
5	DSGN6263	Design Methods	3	23
	ENTR6004	Entrepreneurship II	2	
	DSGN7269	Graphic Reproduction Methods II**	3	
	MDIA7013	New Media II*	6	
	DSGN7126	Guest Lecturer	3	
	DSGN7289	Visual Communication Design III	6	
6	Enrichment Program I		16	16
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			
DSGN6270	Project on NGO	8	16
DSGN6271	Creative Process in Graphic Design I	4	
DSGN6383	EES in industry I	3	
LANG6061	Indonesian	1	
Enrichment Program II			
DSGN6274	Project on Industry	8	16
DSGN6275	Creative Process in Graphic Design II	4	
DSGN6277	EES in industry II	4	
Enrichment Program II: For student who doesn't choose Internship track in semester 6, can take these following courses in semester 7:			
DSGN6274	Project on Industry	8	16
DSGN6332	Creative Process in Graphic Design	4	
DSGN6333	EES in industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	

*)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-III, and Surface Packaging Design with a minimum Grade is 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, its historical and cultural significance, and its core technology. Together these areas of study will establish in each student a solid ground for well-informed practice or further study.
2. To produce graduates who are capable of producing animation portfolios that vividly demonstrate workmanship, creativity, conceptual insights, and attitudes of a professional design standard.

Student Outcomes

After completing the study, graduates are:

1. Able to conduct research and explore ideas based on goals and objectives in animation creation to define the concept of animation work by considering visual aspects, aesthetics, communication, ethics, and intercultural (cross-culture).
2. Able to overcome the problems in mass communication, education or entertainment through the process of creating animation with aesthetic and innovative.
3. Able to analyze the efficiency level of resource utilization, engineering, technology, and time in the process of creation without changing the essence and aesthetic design.
4. Able to criticize and appreciate animation with ethical aspects, historical, cultural, personal, critical, aesthetic, and value added.
5. Able to communicate a visual message through the process of translation motion expression.
6. Able to design animation product with sale value and recognition of copyright (intellectual property) by applied principle design and technology in a design process.
7. Able to design business models based copyright (intellectual property) in applied design and animation production.

Prospective Career of the Graduates

- | | |
|------------------------|-------------------------------|
| 1. Television | 6. Visual FX (effects) Artist |
| 2. Film | 7. Motion Graphics |
| 3. Games | 8. Visualizer |
| 4. Animator Freelancer | 9. Production House |
| 5. 3D Artist | |

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	20	
	DSGN6331	Typography	3		
	DSGN7139	Drawing II*	3		
	DSGN6328	Computer Graphic I*	3		
	DSGN6140	Visual Communication Design I	4		
	DSGN6136	Photography I*	3		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6015	Character Building: Agama	2	24	
	ENTR6003	Entrepreneurship I	2		
	FILM6035	Visual Workshop	3		
	DSGN6137	Photography II*	3		
	DSGN7115	Visual Communication Design II	6		
	DSGN6329	Computer Graphic II*	3		
	DSGN6234	Visual Communication Design Reviews*	2		
	DSGN6330	Illustration Design	3		
4	MDIA6020	Digital Compositing I*	4	23	
	DSGN6150	Modelling & Shading Lighting Rendering I*	4		
	FILM7037	Screenplay of Animation	3		
	DSGN6283	Animation Production Study	6		
	DSGN6237	Character Design**	4		
	ARTS6015	Aesthetics	2		
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		16	16	
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			16
DSGN6253	Production and Post in Industry	8	
DSGN6254	Production and Post Experience	4	
DSGN6382	EES in Production and Post Experience	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
DSGN6257	Pre and Production in Industry	8	
DSGN6258	Pre and Production Experience	4	
DSGN6260	EES in Pre and Production Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

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

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	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-III, and Animation Production Study with a minimum Grade is 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, its historical and cultural significance, and its core technology. Together they should form in each student a solid ground for well-informed practice or further study.
2. To educate graduates who are capable of producing Creative Advertising portfolios that vividly demonstrate workmanships, creativity, conceptual insights, and attitudes of a professional design standard.

Student Outcomes

After completing the study, graduates are:

1. Able to create aesthetic and added value visual communication design works to overcome identity problem, mass communication and competition problems of 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 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 communicative works that set forth cultural values and local indigeneity as his / her national identity.
6. Able to plan a business model to be implemented within visual communication design expertise.
7. Able to utilize information technology and communication in supporting project's need and organizational performance.
8. Able to analyze problems and propose solutions ideas through visual communication design with the appropriate media selection

Prospective Career of the Graduates

After 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		
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	DSGN6104	Typography I	3		
	DSGN6100	Drawing II	3		
	DSGN6238	Computer Graphic I	3		
	DSGN6191	Photography I	3		
	DSGN7107	Visual Communication Design I	4		
	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		16	16	
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			
DSGN6245	Industry Based Internship	8	16
DSGN6246	Generate Idea & Project in Industry	4	
DSGN6381	EES in Industry	3	
LANG6061	Indonesian	1	
Enrichment Program II			
DSGN6249	Industry Based Internship Extended	8	16
DSGN6250	Generate Idea & Project in Industry Extended	4	
DSGN6252	EES in Industry Extended	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	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-III, and Ideation and Art Direction with a 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	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 both in manual and digital 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 design an interior, with utilizing information technology and recent communication.
8. Able to develop interior design project based on local indigenous.
9. Able to analyze human needs to develop eco-interior design project.
10. Able to produce furniture and home accessories based on local indigenous.
11. 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	20	
	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		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		

Sem	Code	Course Name	SCU	Total	
3	CHAR6015	Character Building: Agama	2	22	
	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 Technique*	4		
4	DSGN6201	Ergonomic and Anthropometry	2	22	
	DSGN6365	Portfolio Presentation*/**	4		
	ARTS6006	History of Indonesian Art*	2		
	DSGN6042	Green Design	2		
	Stream : Commercial and Hospitality Design				
	DSGN6199	Interior Design III: Office*	6		
	DSGN6200	Computer 3D Drawing for Interior*	4		
	DSGN6203	Lighting Design for Commercial & Hospitality	2		
	Stream : Furniture and Interior Design Accessories				
	DSGN6217	Furniture Design III: Office*	6		
	DSGN6218	Computer 3D Drawing for Furniture*	4		
	DSGN6219	Finishing and Furniture Knowledge I	2		
	5	DSGN6207	Interior Design History, Culture and Aesthetic*		2
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		16	16	
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			16
DSGN6209	Industrial Experience	8	
DSGN6210	Design Ideation in Industry	2	
DSGN6211	Design Works in Industry	2	
DSGN6380	Self Management in Industry	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
DSGN6213	Professional Experience	8	
DSGN6214	Design Applied in Industry	2	
DSGN6215	Design Process in Industry	2	
DSGN6216	Team Work Activity in Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	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 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
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

2.2.5 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 program provides a broad variety of courses in accounting, which has minor concentration as follows: Auditing, Taxation, Managerial Accounting, 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 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 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		
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		

Sem	Code	Course Name	SCU	Total	
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		
	Stream : Managerial Accounting				
	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			

Sem	Code	Course Name	SCU	Total	
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					
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	
<i>For student who takes internship track only in semester 6, should take these courses</i>				
Enrichment Program I:				
Stream: Auditing, Taxation, Managerial Accounting				
ACCT6119	Internship	8	11	
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		
<i>For students who choose internship track in semester 6 and 7 can take these following courses:</i>				
Enrichment Program I :				
Stream: Auditing, Taxation, Managerial Accounting				
ACCT6120	Internship I	8	11	
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		
Enrichment Program II:				
Stream: Auditing, Taxation, Managerial Accounting				
ACCT6126	Internship II	8	16	
ACCT6124	Accounting in Practice II	4		
ACCT6129	EES in Industry II	4		
Stream: Finance				
FINC6078	Internship II	8		
FINC6129	Finance in Practice II	4		
FINC6079	EES in Industry II	4		

Code	Course Name	SCU	Total	
<i>For student who takes internship track only in semester 7, should take these courses:</i>				
Enrichment Program II:				
Stream: Auditing, Taxation, Managerial Accounting				
ACCT6119	Internship	8	16	
ACCT6121	Accounting in Practice	4		
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	
<i>For student who takes Entrepreneurship track only in semester 6, should take these courses</i>				
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		
<i>For students who choose Entrepreneurship track in semester 6 and 7 can take these following courses:</i>				
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:				
Stream: Auditing, Taxation, Managerial Accounting				
ENTR6344	Growing a Business	8	16	
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		
<i>For students who only take Entrepreneurship track in semester 7 should take these following courses:</i>				
Enrichment Program II:				
Stream: Auditing, Taxation, Managerial Accounting				
ENTR6316	Business Start Up	8	16	
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	
<i>For student who takes Research track only in semester 6, should take these courses</i>				
Enrichment Program I:				
Stream: Auditing, Taxation, Managerial Accounting				
RSCH6269	Research Experience	8	11	
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	
<i>For students who take Research track in semester 6 and 7, should take these following courses:</i>				
Enrichment Program I:				
Stream: Auditing, Taxation, Managerial Accounting				
RSCH6311	Research Experience I	8	11	
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:				
Stream: Auditing, Taxation, Managerial Accounting				
RSCH6314	Research Experience II	8	16	
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		
<i>For students who only take Research track in semester 7, should take these following courses:</i>				
Enrichment Program II:				
Stream: Auditing, Taxation, Managerial Accounting				
RSCH6269	Research Experience	8	16	
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:				
Stream: Auditing, Taxation, Managerial Accounting				
CMDV6147	Community Outreach Project Implementation	8	11	
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:				
Stream: Auditing, Taxation, Managerial Accounting				
CMDV6174	Community Development Project Implementation	8	16	
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, room division, food product, and event. 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, event industry 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 (hotels and its sub sectors: restaurants, bars, cafes, and MICE businesses (Meeting, Incentive, Conference and Exhibition) 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 perform personal and cultural approach through mastery of active English in advanced levels to implement the excellent service in a hospitality environmental, especially in the diversity and multicultural hotel environment.
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 specified knowledge and skills in hotel operations, as rooms division operations, front office, food and beverage operations, event control operations, and kitchen operations both services or offered products.
4. Able to manage operations and resources in the hotel include rooms division, front office, food and beverage operations, event control operations, and kitchen operations with interpersonal approaches and related hospitality field approaches.
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 culinary field (hot kitchen , pastry , bakery and chocolate making) in order to produce a decent meal to be served both in shape and taste

8. Able to apply and demonstrate knowledge and skills in event planning field in order to organize the show concept to be held.
9. Able to implement entrepreneurial expertise in hotel field including hotel design concept, hotel operations and hotel management and future trends that developed in the hospitality field.
10. Able to master English as supporting language in communication and correspondence in the global environment.
11. Able to optimize the use of information technology in order to improve the 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.
6. Events Management : Corporate Hospitality Supervisor, Functions Manager, Events Coordinator/Organizer, Banquet Manager, Venue Manager.
7. Top Management : Resident Manager, Executive Assistant Manager, General Manager, Director, Owner.

Curriculum

The Hotel Management curriculum is designed to meet the industry needs that cover skills, knowledge, and attitude required for pursuing a management career in the hospitality/hotel industry.

- Common & Hospitality Core : Hospitality Knowledge; Intercultural Communication; Foreign Languages; Hygiene, Safety, and Security, Law and Ethic.
- Hospitality Functional Areas: Food Production & Pastry; Food & Beverage Service; Rooms Division (front office & housekeeping); Event/MICE.
- General and Managerial Units : Sales & Marketing; General Administration and Management; Financial Administration and Management; Computer Technology; Human Resources Management; Entrepreneurship.
- Culinary Art : Food product & Pastry.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	MGMT6068	Human Resources Management	2	20	
	COMM6076	Intercultural Communication and Service Excellence*	4		
	ISYS6173	Hotel Management Information System	2		
	TRSM6051	Workplace Hygiene, Safety and Security	4		
	TRSM6075	Personal Grooming	4		
	Elective Course**				
	LANG6016	French Language I	2		
	CHIN6061	Chinese Language I	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6013	Character Building: Pancasila	2	20	
	LANG6027	Indonesian	2		
	FINC6042	Principles of Finance and Accounting in Tourism Hospitality	4		
	TRSM6077	Philosophy of Tourism, Law and Ethics	4		
	TRSM6076	Introduction to Tourism and Hospitality Industry*	4		
	Elective Course**				
	LANG6017	French Language II	2		
	CHIN6062	Chinese Language II	2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6014	Character Building: Kewarganegaraan	2	24	
	TRSM6080	Rooms Division Operations Introduction	2/2		
	TRSM6081	Event Management Introduction	4		
	TRSM6078	Food Production, Pastry and Bakery Introduction	2/4		
	TRSM6079	Food & Beverage Service Operations Introduction*	4		
	ENTR6003	Entrepreneurship I	2		
	Elective Course**				
	LANG6018	French Language III	2		
	CHIN6063	Chinese Language III	2		

Sem	Code	Course Name	SCU	Total	
4	CHAR6015	Character Building: Agama	2	24	
	TRSM6082	Research Methodology for Tourism and Hospitality	4		
	TRSM6083	Facility and Design Planning for Tourism Resort, Hotel & Restaurant	4		
	MKTG6060	Marketing for Tourism and Hospitality Industry	4		
	Stream : Culinary Art				
	TRSM6029	Food Nutrition	2		
	TRSM6130	Asian Cuisine***	6		
	Stream : Hotel and Operation Services				
	TRSM6084	Front Office Administrations and Operations	2		
	TRSM6085	Restaurant and Bar Service Operation***	4		
	TRSM6086	Housekeeping Operation	2		
	Stream: Event Management				
	TRSM6087	Public Relations, Fund Raising and Sponsorship for Event	2		
	TRSM6088	Expo and Exhibition Management***	2/4		
	Elective Course**				
LANG6019	French Language IV	2			
CHIN6064	Chinese Language IV	2			
5	Stream : Culinary Art			20/16/16	
	ENTR6004	Entrepreneurship II	2		
	TRSM6089	Pastry, Bakery and Chocolate***	6		
	TRSM6045	Culinary Art*	4		
	TRSM6042	Catering Management	2		
	TRSM6092	Indonesian Cuisine	2/4		
	Stream : Hotel and Operation Services				
	Enrichment Program for Hotel and Operation Services Streaming I		16		
	Stream: Event Management				
	Enrichment Program for Event Management Streaming I		16		

Sem	Code	Course Name	SCU	Total
6	Stream : Culinary Art			16/20/20
	Enrichment Program for Culinary Art Streaming I		16	
	Stream : Hotel and Operation Services			
	MGMT6066	Hotel Financial Management	2	
	TRSM6066	Rooms Division Management	4	
	TRSM6094	Restaurant and Bar Management***	2/4	
	TRSM6095	The Art of Wine and Coffee	2/4	
	ENTR6004	Entrepreneurship II	2	
	Stream: Event Management			
	ENTR6004	Entrepreneurship II	2	
	TRSM6096	Event Design & Production	2/4	
	TRSM6097	Showbiz & Entertainment Project Management***	2/4	
	TRSM6064	Strategic Management and Contemporary issues in Event*	2	
	TRSM6098	Conference Management	2/2	
7	Stream : Culinary Art			16
	Enrichment Program for Culinary Art Streaming II		16	
	Stream : Hotel and Operation Services			
	Enrichment Program for Hotel and Operation Services Streaming II		16	
	Stream: Event Management			
Enrichment Program Event Management Streaming II		16		
8	Stream : Culinary Art			6
	TRSM6048	Final Project	6	
	Stream : Hotel and Operation Services			
	TRSM6049	Final Project	6	
Stream: Event Management				
TRSM6074	Final Project	6		
TOTAL CREDIT 146 SCU				

*) This course is delivered in English

**) Elective Courses : Foreign Language

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

***) 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 for Streaming: Hotel and Operation Services and Event Management and 6th Semester for Streaming: Culinary Art) & Enrichment Program II (7th Semester):

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

Enrichment Track Scheme (Streaming: Event Management and Hotel and Operation Services)

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			
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.												

Enrichment Track Scheme (Streaming: Culinary Art)

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: <i>For student who takes Internship track in two semesters, should take these courses:</i>				
Stream : Culinary Art				
TRSM6108	Industrial Work Placement I	8	16	
TRSM6109	Leadership in Culinary I	4		
TRSM6110	Basic Culinary Skill	4		
Stream : Hotel and Operation Services				
TRSM6100	Industrial Work Placement I	8		
TRSM6101	Leadership In Hotel Operation I	4		
TRSM6102	Operational Skill in Hotel Operation	4		
Stream: Event Management				
TRSM6104	Industrial Work Placement I	8		
TRSM6105	Leadership in Managing Event I	4		
TRSM6106	MICE Management Skill	4		
Enrichment Program II				
Stream : Culinary Art				
TRSM6120	Industrial Work Placement II	8	16	
TRSM6121	Leadership in Culinary II	4		
TRSM6122	Intermediate Culinary Skill	4		
Stream : Hotel and Operation Services				
TRSM6112	Industrial Work Placement II	8		
TRSM6113	Leadership In Hotel Operation II	4		
TRSM6114	Managerial Skill in Hotel Operation	4		
Stream: Event Management				
TRSM6116	Industrial Work Placement II	8		
TRSM6117	Leadership in Managing Event II	4		
TRSM6118	Showbiz Management skill	4		
Enrichment Program III: <i>For student who takes Internship track only in one semester, should take these courses:</i>				
Stream : Culinary Art				
TRSM6107	Industrial Work Placement	8	16	
TRSM6111	Leadership in Culinary	4		
TRSM6110	Basic Culinary Skill	4		
Stream : Hotel and Operation Services				
TRSM6119	Industrial Work Placement	8		
TRSM6123	Leadership In Hotel Operation	4		
TRSM6102	Operational Skill in Hotel Operation	4		
Stream: Event Management				
TRSM6156	Industrial Work Placement	8		
TRSM6157	Leadership in Managing Event	4		
TRSM6106	MICE Management Skill	4		

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
<i>For students who only take Entrepreneurship track in semester 5/6, should take these courses:</i>			
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	
<i>For students who take Entrepreneurship track in semester 5/6 and 7, should take these courses:</i>			
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	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			
Enrichment Program II			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6031	Research Experience I	8	16
RSCH6032	Scientific Writing I	4	
RSCH6033	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	4	
Enrichment Program II			
RSCH6034	Research Experience II	8	16
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
Enrichment Program: <i>For student who only takes research track in one semester, should take these courses:</i>			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	16
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
Enrichment Program I			
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	
Enrichment Program II			
GLOB6017	Elective Course for Study Abroad 13	4	16
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
2	ENTR6004	Entrepreneurship II	C
2	ENTR6004	Entrepreneurship II	C
3	COMM6076	Intercultural Communication and Service Excellence	C
4	TRSM6051	Workplace Hygiene, Safety and Security*	C
5	FINC6042	Principle of Finance and Accounting in Tourism Hospitality	C
6	TRSM6076	Introduction to Tourism and Hospitality Industry*	C
Stream: Culinary Art			
7	TRSM6029	Food Nutrition*	C
8	TRSM6042	Catering Management	C
Stream: Event Management			
7	TRSM6088	Expo and Exhibition Management*	C
8	TRSM6097	Showbiz & Entertainment Project Management	C
Stream: Hotel and Operation Services			
7	TRSM6066	Rooms Division Management	C
8	TRSM6094	Restaurant and Bar 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 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		
	Stream: Corporate Public Relation				
	COMM6118	Corporate PR Writing and Advertorial in a Global Sector	2/2		
	COMM6119	Communications in Crisis*	2		

Sem	Code	Course Name	SCU	Total
	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	
	Stream: Marketing Public Relation			
	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		

Sem	Code	Course Name	SCU	Total
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				
Stream: Corporate Public Relation				
COMM6120	Corporate Public Relations in Industrial Practices	8	16	
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		
Stream: Digital Journalism				
COMM6090	Digital Journalism In Industrial Practices	8		
COMM6143	Writing Skills in Industry	2		
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	16	
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		
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		

Code	Course Name	SCU	Total
Stream: Digital Journalism			
COMM6093	Digital Journalism In Professional Practices	8	16
COMM6145	News Research in Industry	2	
COMM6146	Globalized Networking in Industry	2	
COMM6136	EES in Professional Practices	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
<i>For students who only take Entrepreneurship track in semester 5, should take these courses:</i>			
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	
<i>For students who take Entrepreneurship track in semester 5 and 7, should take these courses:</i>			
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	
Enrichment Program II			
ENTR6312	Growing a Business	8	16
ENTR6185	Lean Start Up & Business Plan in Communication Field	2	
ENTR6186	Venture Capital in Communication Field	2	
ENTR6187	EES in Communication Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			
Enrichment Program II			
ENTR6298	Business Start Up	8	16
ENTR6182	Business Model and Validation in Communication Field	2	
ENTR6183	Launching New Venture in Communication Field	2	
ENTR6184	EES in New Communication Business	4	

Enrichment Research Track

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

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	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	ENTR6004	Entrepreneurship II	C
2	CHAR6013	Character Building: Pancasila	B
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 an entrepreneurial skill 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 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 are to be:

- | | |
|--|--|
| 1. Entrepreneur in tourism and hospitality industry | 7. Corporate Hospitality Supervisor |
| 2. Managers/staff at the tourism attraction or resort | 8. Events Coordinator, staff/Manager at Events organizer |
| 3. Staff at the Indonesia tourism office | 9. Researcher in tourism issues |
| 4. Stewardess/steward/operational staff at airlines industry | 10. Travel writer |
| 5. Operational staff at cruise line | 11. Consultant for tourism and hospitality industry |
| 6. Tour planning at tours & travel industry | 12. Academician (lecturer) for tourism institution |

- 13. Human Resources Department at Hotel and tourism industry
- 14. Tourism Marketing at tourism industry
- 15. Banquet, sales and marketing at resort business

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. General tourism and Hospitality: Principles of Tourism, Leisure, and Recreation, Indonesian Culture, History and Heritage, Tourism Philosophy, Intercultural Communication; Foreign Languages; Event Management, Hotel Management, Tourism Law and Regulation, IT Application for Tourism
2. Tourism Management, Accounting, and Finance: International Tourism, Transportation and Travel Industry Management, Strategic Entrepreneurship and tourism innovation, Principles of Tourism Accounting and Finance, Tourism Economics, Organizational Behavior in Tourism, Human Resource Management for Tourism and Service Sector, Marketing In Tourism, E-Business and Digital Media for Tourism
3. Tourism Planning: Tourism Geography, Introduction to Indonesian Thematic Tourism, Strategic Issues and Fundamental of Tourism, Ecotourism, and Sustainable, Facilities Design For Tourism Destination Development, Tourism Destination and Planning Management, Strategic Management for Tourism

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		

Sem	Code	Course Name	SCU	Total	
	Foreign Language Elective II**				
	CHIN6090	Chinese Language II	4		
	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

***) 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

****) 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			16
TRSM6145	Field Project Study	8	
TRSM6146	Field Project Study Report	4	
TRSM6147	Field Project Study Seminar	4	
Enrichment Program II			16
TRSM6148	Industrial Internship	8	
TRSM6149	Professional Ethics in Tourism Industry	4	
TRSM6150	Managerial Skills in Tourism Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
<i>For students who only take Entrepreneurship track in semester 6, should take these courses:</i>			16
Enrichment Program I			
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	
<i>For students who take Entrepreneurship track in semester 6 and 7, should take these courses:</i>			16
Enrichment Program I			
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	
Enrichment Program II			16
ENTR6070	Growing a Business	8	
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			16
Enrichment Program II			
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6031	Research Experience I	8	
RSCH6032	Scientific Writing I	4	
RSCH6033	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	4	16
Enrichment Program II			
RSCH6034	Research Experience II	8	
RSCH6035	Scientific Writing II	4	16
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
For student who only takes research track in one semester, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	16
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	
CMDV6005	Community Development Project Design	4	16
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track*

Code	Course Name	SCU	Total
Enrichment Program I			
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	
Enrichment Program II			
GLOB6017	Elective Course for Study Abroad 13	4	16
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

2.2.6 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	20	
	ARCH6019	Building Technology II*	4		
	ARCH6041	Design Methods*	2		
	ARCH6043	Architectural Design II*	4		
	ARCH6048	Traditional Architecture*	2		
	ARCH6086	Architectural Design Computing I*	4		
	English University Courses II				
	ENGL6129	English Savvy	2		
ENGL6131	English for Written Business Communication	2			

Sem	Code	Course Name	SCU	Total	
3	CHAR6015	Character Building: Agama	2	24	
	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			
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			16
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			16
ARCH6091	Industry Experience	8	
ARCH6092	Integrated Architectural Design	4	
ARCH6085	Project Program	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
ARCH6104	Internship	8	
ARCH6100	Advanced Integrated Architectural Design	4	
ARCH6093	Advanced Project Program	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

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

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	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	20	
	SCIE6028	Physics II	4/2		
	MATH6046	Calculus II	4		
	CIVL6085	Statics*	4		
	COMP6045	Algorithm & Programming	2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
	3	CHAR6015	Character Building: Agama		2
STAT6095		Statistics Method	2		
MATH6022		Engineering Mathematics I	4		
MATH6072		Numerical analysis	2		
CIVL6019		Surveying*	2/1		
CIVL6073		Mechanics of Materials	2		
CIVL6022		Soil Mechanics	4/1		
ENTR6003		Entrepreneurship I	2		
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		16	16	
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

***) Students should choose two credits from elective courses list

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			16
CIVL6077	Industrial Experience	8	
CIVL6078	Technical Design in Civil Engineering	4	
CIVL6088	Professional Ethics and Communication	3	
LANG6061	Indonesian	1	
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			16
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6005	Elective Course for Study Abroad 1	4	
GLOB6006	Elective Course for Study Abroad 2	4	
GLOB6007	Elective Course for Study Abroad 3	4	
GLOB6008	Elective Course for Study Abroad 4	4	
GLOB6009	Elective Course for Study Abroad 5	2	
GLOB6010	Elective Course for Study Abroad 6	2	
GLOB6011	Elective Course for Study Abroad 7	2	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	

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

The Table of Prerequisite for Civil Engineering (S1)

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.

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		

Sem	Code	Course Name	SCU	Total	
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	SCIE6017	Biology	2		
	SCIE6005	Physics II	4/2		
	MATH6016	Calculus II	4		
	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			
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		

Sem	Code	Course Name	SCU	Total	
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	Warehousing 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***				
	ISYE6044	Project Management	4		
	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***				
	ISYE6044	Project Management	4		
	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		
	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***				
	ISYE6044	Project Management	4		
	ISYE6065	Dynamic Service Facility Design	2/2		
	ISYE6062	Financial Engineering*	4		
	Manufacturing Systems				
	Elective Track Courses***				
	ISYE6044	Project Management	4		
	ISYE6070	Facility Planning	2		
ISYE6064	Sustainable Engineering Systems*	4			
ISYE6116	Health and Safety Engineering	2			
7	Enrichment Program I		16	16	
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 4 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			16
ISYE6117	Industrial Practice	6	
ISYE6126	Business Ethics & Technical Communication I	3	
ISYE6119	Special Topics I	4	
RSCH6029	Research Methodology	2	
LANG6061	Indonesian	1	
Enrichment Program II			8
ISYE6121	Business Ethics & Technical Communication II	4	
ISYE6122	Special Topics II	4	
Enrichment Program II: For student who only takes Internship track only in semester 8, should take these courses:			
ISYE6085	Business Ethics & Technical Communication	4	
ISYE6086	Special Topics	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	

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 System 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	Warehousing Management Systems	C
Stream: Service System Engineering			
7	ISYE6066	Human Interaction in Service Systems*	C
8	ISYE6047	Decision Support Systems	C
Stream: Manufacturing System			
7	ENGR6005	Mechanics of Materials	C
8	ISYE6061	Manufacturing Process	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 systems, robotics and industrial automation in business enterprises.

Vision

A study program of choice in Computer Engineering, which focuses on Intelligence, Mobility, and Secure Communication technologies, is recognized internationally, champions innovation and produces graduates with international qualification.

Mission

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

1. Educating students with the knowledge and skills in science and technology in the design, analysis and application of intelligent, mobile, and secure connectivity technologies. We prepare graduates to be ethical professionals and technopreneurs, as well as to continue for advanced degrees in computer engineering or related disciplines in global community.
2. Providing a vibrant learning and research environment that nurtures the most creative, value-added and leadership talents of our graduates for the global community.
3. Improving quality of life by conducting professional services and high impact applied research in Computer Engineering related disciplines.

Program Objectives

The objectives of the program are:

1. Excel in methodological and computational skills within their professional and communities.
2. Employ effective team player and professional responsibilities to benefit the organizations and society.
3. Sustainably updating their knowledge to meet evolving global requirements.

Student Outcomes

After completing the study, graduates are :

1. An ability to apply knowledge of math, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to identify, formulate, and solve computer engineering problems.
5. An ability to use the techniques, skills, and modern computer engineering tools necessary for engineering practice.
6. An ability to function on multidisciplinary teams.
7. An understanding of professional and ethical responsibility.
8. An ability to communicate effectively.
9. The broad education necessary to understand the impact of computer engineering solutions in a global, economic, environmental, and societal context.
10. A recognition of the need for, and an ability to engage in life-long learning.
11. A knowledge of contemporary issues.

Prospective Career of the Graduates

1. Engineering Specialist
2. System Design Engineer
3. Computer System Engineer
4. Integrated Circuit Engineer
5. Embedded System Developer
6. Soft Embedded Programmer
7. Network Administrator
8. Network Designer
9. Computer Network Security Professional
10. Engineering Manager
11. Quality Control Engineer,
12. Marketing Engineer
13. Industrial Control System Engineer
14. Technopreneur

Curriculum

In principle, the curriculum is derived from the curriculum developed by IEEE/ACM and by conducting benchmarking activities with other prestigious domestic and foreign universities. Additionally, the research activities which are conducted by students and lecturers continue to expand due to various sources of funding (industries, government, etc). At present, there is still a high demand for Computer Engineering graduates due to the developments in information technology. As such the business industry needs to respond to these demands by providing a knowledgeable workforce which is also able to keep up with the rapid changes in the industry. Graduates of the CEN Program are expected to have competencies such as ability to work with integrity, independently and professionally, ability to work as a master of Computer Engineering who understands Communication System, Embedded System Development, and Intelligent Industrial Automation Systems. Moreover, they trained to have the ability to pursue a higher level of education and have the motivation to keep up with the changes in technology via research and development activities.

Besides the technical expertise, our student will learn how to become the entrepreneur in the information technology, that we call Technopreneur. All these aspects of study are included in the curriculum which is divided **into two concentration fields** starting in the fifth semester. Therefore, the curriculum of the Computer Engineering Study Program is divided into two core subjects:

1. **Intelligent Embedded Systems** : study in the design and development of ubiquitous computer and intelligent electronic systems that can run independently without or less human intervention. The embedded system covers from simple 8-bit microcontroller up to high performance Embedded ARM Linux and FPGA-based system design.
2. **Communication System**: study in the design and management of data communications, computer network (LAN, WAN, Wireless Network), and computer network security that we believe will play an important role in the future.

The internship program is designed for 6th and 7th semester for providing students with real world experience. The CEN Program is supported by lectures with distinguished expertise in Computer Engineering fields. The laboratories that support the CEN Program include Physics Laboratory, Algorithm & Programming Laboratory, Electronics & Digital Systems Laboratory, Computer Network Laboratory, Control System Laboratory, Embedded System Laboratory, Communication System Laboratory, Intelligent Signal Processing Laboratory, and Robotics & Automation Laboratory.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	CHAR6013	Character Building: Pancasila	2	20	
	SCIE6004	Physics I	4		
	MATH6006	Chemistry	4		
	MATH6093	Calculus	4		
	CPEN6078	Introduction to Computer Engineering*	4		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	SCIE6005	Physics II	4/2		
	COMP6154	Algorithm and Programming Fundamentals	4		
	MATH6005	Engineering Mathematics I	4		
	MATH6036	Discrete Mathematics	2		
	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			

Sem	Code	Course Name	SCU	Total
6	Enrichment Program I		16	16
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			16
CPEN6129	Industrial Experience	8	
CPEN6130	Computer Engineering Practice in Industrial Experience	4	
CPEN6147	EES in Industrial Experience	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
CPEN6133	Professional Experience	8	
CPEN6134	Computer Engineering Practice in Professional Experience	4	
CPEN6136	EES in Professional Experience	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
<i>For students who only take Entrepreneurship track in semester 6, should take these courses:</i>			16
Enrichment Program I			
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
<i>For students who take Entrepreneurship track in semester 6 and 7, should take these courses:</i>			16
Enrichment Program I			
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
ENTR6070	Growing a Business	8	
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			16
Enrichment Program II			
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6031	Research Experience I	8	16
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6034	Research Experience II	8	16
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
Enrichment Program I: For student who only takes research track in semester 6, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II: For student who only takes research track in semester 7, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	16
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

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

The Table of Prerequisite for Computer Engineering (S1)

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.

Departmental facilities include well-equipped laboratories, namely Food Chemistry and Biochemistry analysis, 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
3. Food safety system designer
4. Food product innovation designer (formulation and product design)
5. IT system/Software designer in supporting food processing

6. Researcher and analyst 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, the needs of food 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 of Food Technology that will be beneficial to contribute in multinational Food Industry, with the methodological and computational skills to operate effectively and efficiency through direct involvement in problem solving required both in research and implementation of Food Technology. The Food Technology curriculum is structured to provide knowledge and understanding of contemporary issues 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		
	SCIE6027	Physic	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		

Sem	Code	Course Name	SCU	Total	
4	FOOD6017	Principle of Food Engineering	2/2	20	
	FOOD6018	Principle of Food Processing	4		
	FOOD6007	Food Microbiology*	2		
	COMP6268	Algorithm & Programming	2/2		
	FOOD6019	Food Processing Technology**	4/2		
5	FOOD6003	Food Analysis	2/2	18	
	FOOD6028	Functional Foods*	2		
	FOOD6020	Integrated Food Processing Laboratory	2		
	FOOD6021	Food Packaging and Storage Technology	2		
	ENTR6004	Entrepreneurship II	2		
	FOOD6008	Food Microbiology Laboratory	2		
	FOOD6035	Food Safety Management System*	2		
6	COMP6272	Data Structure	2	18	
	FOOD6024	Research Methodology & Scientific Writing*	2		
	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

**) Entrepreneurship 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			
FOOD6031	Industrial Experience	8	16
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			
FOOD6039	Professional Experience	4	8
FOOD6040	Food Analysis in Food Industry	2	
FOOD6041	Work Ethics in Food Industry	2	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I (For student who takes research track in semester 7, should take these courses)			16
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	
Enrichment Program II (For student who takes research track in semester 8, should take these courses)			8
RSCH6037	Research Experience	8	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6003	Employability and Entrepreneurial Skills	4	
Enrichment Program II			8
CMDV6001	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
FOOD6017	Principle of Food Engineering	2/2	4	FOOD6022	Unit Operation in Food Processing	2	2
FOOD6018	Principle 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	FOOD6018	Principle of Food Processing*	4	4
				FOOD6017	Principle 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

2.2.7 BINUS ASO School of Engineering

Product Design Engineering

Introduction

With the underlying concepts of Industrial Engineering, Product Design Engineering (PDE) will give you a thorough fundamental knowledge in developing design concepts and exploiting appropriate materials to shape and color, and transforming them into an innovative and functional human-centered design product within realistic constraints. As a result, you will be able to develop automated or manual innovative and functional designs in the context of human appliances, car accessories, and automotive appliances.

Courses are designed to strengthen your understanding, knowledge, and ability to create and implement product design engineering as a whole to improve productivity and well-being. Computer Labs available to support your learning process are equipped with updated software (AutoCAD®, Pro/Engineer, CAM, CATIA®, Photoshop®, Illustrator®, ARENA®, Minitab®, LINDO/LINGO®, ErgoWEB), tools (molding and cutting 3D printer, drafting machine), and mechanical drawing table.

Vision

The 1st and the most prestigious and dynamic Product Design Engineering school in Indonesia by producing global citizens with Japanese educational philosophy.

Mission

To contribute to the global community through the provision of world-class education by :

1. Acknowledging all talents that positively contribute to the quality of life of Indonesians and the international community as global citizens.
2. Providing a solid educational experience through the diffusion and integration of knowledge of Product Design Engineering, and services to industries.
3. Educating students from a diverse background in the fundamental skills, knowledge and practice of Product Design Engineering in order to prepare them for a position in global industries and continue for advanced degrees in Product Design Engineering or related disciplines.
4. Providing research and professional services to streamline and optimize operations which contribute to the enhancement of the quality of life.
5. Having provided education with focus on not only skills and knowledge but also personal charm and dignity.

Program Objective

The objectives of the program are :

1. Utilize appropriate product design engineering 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 Design Engineer
- Automotive and Parts Designer
- Product Design Engineering Consultant
- Industrial Engineer in Manufacturing and Service Industries
- Entrepreneur

Curriculum

The PDE curriculum is based on the curriculum of Industrial Engineering Bina Nusantara University which has been accredited with score of A from the BAN-PT (National Accreditation Board of Higher Education) and is aligned with the ABET (Accreditation Board for Engineering and Technology). This curriculum is then synergized with the curriculum and technology from ASO Architecture and Design College Japan. PDE is a four-year study program (8 semesters), in which the student must complete a total of 146 semester credit units. At the end of the third year, all students will take summer courses in ASO College Fukuoka Japan. Each year students will be encouraged to develop projects to learn about creative thinking and innovation patterns, and also to improve their communication skills as well as building their confidence during the independent exhibitions.

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	
3	ISYE6105	Leadership and Organizational Behaviour	2	21
	PDEN6004	Expression Technique I	0/3	
	MATH6107	Calculus III	4	
	SCIE6037	Biology	2	
	MATH6108	Linear and Discrete Math	4	
	ISYE6107	Human-Integrated Systems	2/2	
	PDEN6003	Chromatology	4	

Sem	Code	Course Name	SCU	Total
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

With Computer Engineering as the root in the Automotive and Robotics Engineering program, your ability to analyze, design, and build mechanical and automated electronic systems for automotive parts and manufacturing processes, will be thoroughly developed and enhanced. These abilities include designing and developing 3D mechanical systems, electronics and embedded computer systems, robotics and automation systems, and automotive and operations engineering.

Fundamental knowledge and skills on how to utilize design tools used in global industries nowadays essential to support analytical, design, and building abilities, will be learned throughout the 4-year study. These skills are 2D & 3D modeling using AutoCAD[®] and CATIA[®], prototyping, embedded systems (circuit design, Assembly, and C language

programming), MATLAB[®] programming for digital signal processing and artificial intelligence, labVIEW[®] programming for control systems, PLC programming industrial automation, industrial robot programming, and enterprise computer network design.

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. Our graduates will be productively involved in identifying and solving engineering problems by creatively applying engineering principles in the broad areas of automotive and robotics engineering.
2. Our graduates will attain successful careers with leadership positions in industry, academia, and public service.
3. Our graduates will 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

- Automotive Automation System Engineer
- Automated Driving Engineer
- Vehicle System Integration Engineer
- Automotive Electronic Test Engineer
- Industrial Robotics Integration Engineer
- Automation-based Solution Engineer
- Intelligent Embedded System Designer
- 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. Computer Engineering has also been awarded the international accreditation from The Engineering Accreditation Commission (EAC) of Accreditation Board for Engineering and Technology (ABET). 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 equipment.

Core of the curriculum of Automotive and Robotics Engineering program is derived from the internationally acknowledged curriculum guideline developed by the Institute of Electrical and Electronics Engineers (IEEE), and Association for Computing Machinery (ACM). The curriculum is directed toward the design, construction, implementation, and maintenance of intelligent automation system, particularly in automotive industry, by the adoption of the state-of-the-art curriculum from Aso College of Automotive Engineering and Technology. In general, there are three areas of study in the program, which are: electronics & embedded system engineering; Intelligent automation system engineering; and mechanical & automotive system engineering.

The mechanical and automotive system engineering area provides students with the ability to design mechanical system in general, and automotive system and its development in particular, using knowledge in strength of materials, mechanical design, mechanical dynamics, and using 2D & 3D CAD tools.

The electronics and embedded system engineering area will enable the students to design electronics systems, microcomputer systems, and the interfacing the world with sensors and actuators.

The intelligent automation system engineering area is where students learn to apply artificial intelligence to machine by signal processing, automatic control, and other computational intelligence.

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. The following table outlines the distribution of courses in four years:

1 st year	Basic courses to support automotive, electronics, and automation systems engineering
2 nd year	Fundamental courses of automotive, electronics, and automation systems engineering
3 rd year	Continuation courses in automotive and robotics systems by applying intelligent and embedded systems
Summer Course	Special courses and training in automotive engineering (in Japan)
4 th year	7 th semester: internship and advanced courses in automotive and robotics engineering
	8 th semester: final project

Course Structure

Sem	Code	Course Name	SCU	Total
1	CHAR6016	Character Building: Pancasila	2	20
	SCIE6031	Physics I	4	
	MATH6097	Chemistry	4	
	MATH6096	Calculus	4	
	AREN6001	Introduction to Automotive & Robotics Engineering	4	
	ENGR6012	Drafting	2	
2	CHAR6017	Character Building: Kewarganegaraan	2	20
	SCIE6036	Physics II	4/2	
	COMP6330	Algorithm and Programming Fundamental	4	
	MATH6101	Engineering Mathematics I	4	
	STAT6107	Probability and Statistics	2	
	AREN6003	Strength of Materials	2	
3	MATH6104	Engineering Mathematics II	4	20
	MATH6105	Discrete Mathematics	2	
	CPEN6113	Electronic Devices	4/1	
	CPEN6088	Circuit and Signals	4/1	
	ENTR6057	Entrepreneurship I	2	
	AREN6002	2D CAD Drafting	2	
4	CPEN6145	Control System	2/1	20
	CPEN6115	Digital System	5/1	
	MATH6106	Numerical Methods	2	
	CPEN6116	Computer Networks	4/1	
	AREN6015	3D CAD Basic	0/2	
	CHAR6018	Character Building: Agama	2	

Sem	Code	Course Name	SCU	Total
5	CPEN6117	Computer Organization and Architecture	4	20
	SCIE6037	Biology	2	
	CPEN6118	Digital Signal Processing	2/1	
	CPEN6146	Advanced Control System	2/1	
	AREN6016	Mechanical Engineering	4/1	
	ISYS6330	Database Design & Application	2/1	
6	AREN6017	Operations Engineering	4/1	21
	AREN6018	Automotive Engineering	2/1	
	CPEN6144	Computational Intelligence	4/1	
	CPEN6121	Microcontroller Design and Application	5/1	
	CPEN6120	Computer System Development and Methodology	2	
7	AREN6009	3D CAD Advanced*	4	19
	AREN6010	Manufacture Training*	4	
	AREN6011	Internship	4	
	COMP6169	Operating Systems	2	
	AREN6019	Robotics and Industrial Automation	2/1	
	ENTR6058	Entrepreneurship II	2	
8	AREN6014	Final Project	6	6
TOTAL CREDIT 146 SCU				

*) Summer courses in Fukuoka – Japan

2.2.8 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). After completing the study, students will have obtained HSK level 5 proficiency and HSKK intermediate level. The Chinese Department offers studies in Chinese culture, teaching, and business. 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 equip 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 and full scholarship (1 year-S3) for the students and alumni. Besides that,

Chinese Department offers 1 year internship for active students which collaborate with national and multinational companies.

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 socio-culture of Mandarin in mother language both spoken or written forms.

7. Able to present history and social-cultural 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:

- International company
 - Human resources
 - Personal assistant
 - Public relations
 - Marketing & communications
- Education
 - Teaching Chinese
 - Running a school or department
- Own business
 - Language school
 - Travel agency
 - Teaching agency
 - International trade
- Translation
- Interpreter
- Tour guide/ representative
- Civil service/ government, including:
 - Department of foreign affairs
 - Department of tourism
 - Department of telecommunications
 - Department of culture & education

Curriculum

Core Subjects

Students attend courses designed to expand their ability in the Chinese language. 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 Chinese Teaching Methodology for Foreigners, Modern Chinese, Business Correspondence, Business Negotiation, Classic Chinese, Myth, Legend, and Tradition of China. 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	20	
	CHIN6005	Chinese Language II	6		
	CHIN6093	Listening II	4		
	CHIN6025	Conversation II	4		
	CHIN6014	Reading II	2		
	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		

Sem	Code	Course Name	SCU	Total	
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		
	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		16	16	
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	16
CHIN6080	Chinese Work Ethic in Industry	2	
CHIN6081	Chinese Communication in Industry I	2	
CHIN6110	EES in Industry I	3	
LANG6061	Indonesian	1	
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			16
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
ENTR6070	Growing a Business	8	
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6031	Research Experience I	8	
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
RSCH6034	Research Experience II	8	
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
CMDV6004	Community Development Project Implementation	8	
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	16
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 social culture in Bahasa Indonesia both oral and written.
6. Able to present the historical and Indonesian social culture 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 (<i>Nihonshi</i>)	2		
	JAPN6052	Japanese I (<i>Nihongo I</i>)	4		
	JAPN6003	Conversation and Listening Comprehension I (<i>Kaiwa to Chookai I</i>)	4		
	JAPN6013	Writing and Reading I (<i>Kakikata to Yomikata I</i>)	4		
	JAPN6019	Images of Japan (<i>Nihon JiJou</i>)	2		
	English University Courses I				
	ENGL6128	English in Focus	2		
	ENGL6130	English for Business Presentation	2		
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	JAPN6020	Contemporary Japanese Society (<i>Gendai Nihonjin Shakai</i>)	2		
	JAPN6053	Japanese II (<i>Nihongo II</i>)	4		
	JAPN6004	Conversation and Listening Comprehension II (<i>Kaiwa to Chookai II</i>)	4		
	JAPN6014	Writing and Reading II (<i>Kakikata to Yomikata II</i>)	4		
	JAPN6073	Japanese Literature (<i>Nihon Bungaku</i>)	2		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		

Sem	Code	Course Name	SCU	Total
3	CHAR6015	Character Building: Agama	2	22
	JAPN6113	Japan and Indonesia in Various Perspective (<i>Nihon to Indonesia no Bunka Hikaku</i>)	2	
	ENTR6003	Entrepreneurship I	2	
	JAPN6029	Japanese Phonology and Morphology (<i>Nihon no Onseigaku to Keitaigaku</i>)	2	
	JAPN6054	Japanese III (<i>Nihongo III</i>)	4	
	JAPN6005	Conversation and Listening Comprehension III (<i>Kaiwa to Chookai III</i>)	4	
	JAPN6015	Writing and Reading III (<i>Kakikata to Yomikata III</i>)	4	
	COMP6165	Japanese Computer (<i>Nihon no Kompyuta</i>)	2	
4	JAPN6055	Japanese IV (<i>Nihongo IV</i>)	4	23
	JAPN6006	Conversation and Listening Comprehension IV (<i>Kaiwa to Chookai IV</i>)	4	
	JAPN6109	Writing and Reading IV (<i>Kakikata to Yomikata IV</i>)*	5	
	JAPN6083	Composition and Presentation (<i>Sakubun to Hapyou</i>)	2	
	JAPN6082	Japanese Semantics and Syntax (<i>Nihon no Imiron-Nihon no Kobunho</i>)	2	
	INTR6095	Japanese Political and Economy (<i>Nihon no Seiji to Keizai</i>)	2	
	JAPN6114	Business Japanese I (<i>Bijinesu Nihongo I</i>)	2	
	JAPN6115	Japanese in Translation I (<i>Nihongo Honyaku I</i>)	2	
5	JAPN6117	Intermediate Japanese (<i>Chuukyuu Bunpou</i>)	4	23
	ENTR6004	Entrepreneurship II	2	
	JAPN6116	Japanese Corporate Culture and Management (<i>Nihon No Kigyuu Bunka to Maneejimento</i>)	2	
	JAPN6032	Japanese Work Ethics (<i>Bijinesu Mana-</i>)	2	
	JAPN6118	Text Analysis (<i>Chuukyuu Dokkai</i>)	4	
	JAPN6108	Scientific Research Methodology (<i>Kenkyuuriron</i>)	2	
	JAPN6119	Business Japanese II (<i>Bijinesu Nihongo II</i>)	2	
	JAPN6120	Japanese in Translation II (<i>Nihongo Honyaku II</i>)*	3	
JAPN6074	Japanese Language Proficiency Test: Intermediate Level (<i>Noryoku Shiken III</i>)	2		
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	JAPN6008	Thesis (<i>Rombun</i>)	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	16
JAPN6122	Culture and Technology in Industry (<i>Kigyō no Bunka to Gijutsu</i>)	2	
JAPN6123	Japanese Language in Industry (<i>Bijinesu Nihongo Jisshuu</i>)	2	
JAPN6137	Self Management and Team Work Skill	3	
LANG6061	Indonesian	1	
Enrichment Program II			
JAPN6125	Professional Experience	8	16
JAPN6126	Corporate Management in Industry (<i>Kigyō Keiei</i>)	2	
JAPN6127	Japanese for Specific Purpose in Industry (<i>Ouyō Bijinesu Nihongo Jisshuu</i>)	2	
JAPN6128	Problem Solving and Communication Skill	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
ENTR6070	Growing a Business	8	
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
CMDV6004	Community Development Project Implementation	8	
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	16
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

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

The Table of Prerequisite for Japanese (S1)

Subject		Credits	Sem	Prerequisite		Credits	Sem
JAPN6054	Japanese III (<i>Nihongo III</i>)	4	3	JAPN6052	Japanese I (<i>Nihongo I</i>)	4	1
				JAPN6053	Japanese II (<i>Nihongo II</i>)*	4	2
JAPN6005	Conversation and Listening Comprehension III (<i>Kaiwa to Chookai III</i>)	4	3	JAPN6003	Conversation and Listening Comprehension I (<i>Kaiwa to Chookai I</i>)	4	1
				JAPN6004	Conversation and Listening Comprehension II (<i>Kaiwa to Chookai II</i>)*	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 (<i>Nihon to Indonesia no Bunka Hikaku</i>)	C
4	JAPN6006	Conversation and Listening Comprehension IV (<i>Kaiwa to Chookai IV</i>)*	C
5	JAPN6055	Japanese IV (<i>Nihongo IV</i>)*	C
6	JAPN6032	Japanese Work Ethics (<i>Bijinesu Mana-</i>)	C
7	JAPN6108	Scientific Research Methodology (<i>Kenkyuuriron</i>)	C
8	JAPN6074	Japanese Language Proficiency Test: Intermediate Level (<i>Noryoku Shiken III</i>)*	C

*) Tutorial & Multipaper

English Literature

Introduction

English has been widely accepted as one key element for success. Graduates with eloquence in English and well acquaintance in technology are coveted qualities for further victory in the global competition. With the strenuous ambition to prepare its graduates as key players in professional and academic endeavors, English Study Program at BINUS University aims to provide best learning experience. Such experience is gained by equipping its students with language and literature studies while cultivating capability of thinking in an analytical, logical and creative manner. In addition, each student is prepared to become a person, with high integrity and good character. To attain this, the English study program is designed to meet the demands of the market and industry for skilled and qualified English graduates. As such, the English study program aims to achieve the following objectives.

Vision

A globally recognized English Department for its cultural and language studies, supported by the best information technology for more competitive world-class graduates.

Mission

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

1. Providing the best creative multi-channel learning experiences through innovative learning and teaching approaches, as well as widening students' knowledge of current research in the field of Communication, English Language and Culture.
2. Educating students with global prudence, problem solving skills, and academic virtues in creating leaders for the global community by recognizing and rewarding the most creative and value-adding talents
3. Preparing students for a successful future career in various academic, business-related and creative professions, with a focus on entrepreneurial and analytical skills in current issues of international Communication, English Language and Culture.
4. Conducting research and providing professional services to external parties.

Program Objective

The objectives of the program are:

1. To provide English language learning in an active environment relevant to learners' future career and development
2. To provide an in depth knowledge of language and culture; with specific reference to Linguistics and Applied Linguistics competence; Literature and creative expression; as well as cultural knowledge of English speaking countries, through active learning, in order to apply the knowledge successfully in their daily life and future career
3. To equip learners with practical knowledge for direct application in professional situations

Student Outcomes

After completing the study, graduates are:

1. 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 translate and adapt works of Literature and Culture in various texts forms.
4. Able to apply concepts of language in oral and written forms through Literary and Cultural analyses.
5. Able to communicate cross-culturally by applying politeness strategies and ethics.
6. Able to apply Information Technology and Communication in the contents of language skills, linguistics, literature, culture and society within the contexts of organization.
7. Able to translate papers in both spoken and written forms of various texts and media.
8. Able to produce various creative texts by applying the concepts of language, Literature and Culture.
9. Able to apply the concepts of English language and learning aspects of English as a foreign language.
10. 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 streams and will comprise portfolios in preparing for their future in the preferred field of professions. This way the students will not only have the knowledge but also the opportunities to apply that knowledge. This streaming pathway will align with the Internship program, provided for the students to prepare their portfolios.

Elective Group

This group offers such optional courses as Introduction to Film Studies, Introduction to Indonesian Music and Culture, Broadcasting, Editing, Advertising, Popular Culture, and Public Speaking, which can be taken up separately. It has the purpose to widen the insight and knowledge of the students according to their interest and curiosity in certain knowledge areas as mentioned above. By covering various topics they will have greater opportunity to be able to apply their knowledge in the workplace.

Internship and Research Programs

As an integral process in the curriculum, students are required to implement their knowledge and skills, through Internship program. The Internship program has been deemed successful in shaping the qualification of the graduates while keeping them grounded to the needs of the wider community.

Foundations of research are provided since the first year of the study and are lead up to more focused and evidence-based small-scale research towards the later years of the study. Final year students are required to write an extensive research-based paper, called *Skripsi*, as final milestone toward the completion of the degree.

Course Structure

Sem	Code	Course Name	SCU	Total	
1	CHAR6013	Character Building: Pancasila	2	20	
	ENGL6144	The Sound of English	4		
	ENGL6145	Intercultural and Cross-Cultural Communication	2		
	ENGL6143	Language in Use I	4		
	SOCS6029	Indonesian Language, Culture and Society	4		
	SOCS6005	Literature and Event: The Nature of Fiction	4		
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	COMP6201	Desktop Publishing	2		
	ENGL6146	Academic Writing 101	4		
	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		
	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		16	16	

Sem	Code	Course Name	SCU	Total	
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*

**) *Students choose 4 credits from elective courses list*

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			
ENGL6165	Internship I	8	16
ENGL6190	EES in Industry I	3	
ENGL6175	Reflective Paper on Language Performance at Work I	2	
ENGL6176	Observational Paper on Language and Cultural Phenomena in Industries I	2	
LANG6061	Indonesian	1	
Enrichment Program II			
ENGL6167	Internship II	8	16
ENGL6168	EES in Industry II	4	
ENGL6177	Reflective Paper on Language Performance at Work II	2	
ENGL6178	Observational Paper on Language and Cultural Phenomena in Industries II	2	
Enrichment Program: For student who only takes Internship track in semester 7, should take these courses:			
ENGL6186	Internship	8	16
ENGL6187	EES in Industry	4	
ENGL6188	Reflective Paper on Language Performance at Work	2	
ENGL6189	Observational Paper on Language and Cultural Phenomena in Industries	2	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	

Enrichment Community Development Track

Code	Course Name	SCU	Total
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	

*)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 should pass ENGL6147 Language Use II with a minimum Grade is C.
- Language in Use II will be priority course in scheduling examination on the first examination day. As for the grade collection will also be priority. This adjustment is because Language in Use III as prerequisite of Language in Use II available on previous semester of Language in Use II, therefore the grade should be proceed at the very first.

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

No	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 2020, being a respected educational institution in the field of applied psychology that produces graduates who mastered the substance of science of psychology and equipped with specific knowledge and skills in information and communication technology.

Mission

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

1. Educating students from diverse background with the fundamental skills, knowledge and practice of psychology that are supported by information and communication technology, to prepare them for the career world and/or continue advanced degrees in psychology or other disciplines.
2. Intensifying the research ethos and the societal involvement activities, which are directly linked to the national attributes and supported with the latest academic environment and materials.
3. Developing and acknowledging all talents for the purpose of positively contributing to the quality of life of industrial community, both nationally and globally.
4. Creating global leaders who distinguish themselves as professional in human intervention with psychological knowledge and skills in their work organizations and communities.
5. Conducting professional service and career development in psychology and its related area with a emphasis of application of knowledge and quality of life to the society.

Program Objective

The objectives of the program are:

1. To provide students with knowledge of the systematic study of human behaviour and mental processes, and its systematic application
2. To sharpen graduates' readiness for employment, graduate school or professional school, especially by equipping them with solid skills in the use of technology applications related to psychology.

3. To facilitate students in the development of their responsible behaviour, both ethically and socially, for professional and personal settings in a landscape that involves diversity.

Student Outcomes

After completing the study, graduates are:

1. Able to use scientific reasoning 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 social - cultural 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 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			
2	PSYC6136	Theories of Developmental Psychology	2	20	
	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		
	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		16	16	

Sem	Code	Course Name	SCU	Total	
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			
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					
	IE	RS	ENTR	CD	SA	*etc	IE	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
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			16
PSYC6142	Psychology in Practice	8	
PSYC6143	Current Issues in Psychology	4	
PSYC6084	Employability and Entrepreneurial Skill I	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
PSYC6147	Psychology Research Proposal	4	
PSYC6148	Employability and Entrepreneurial Skill II	4	
Stream: Educational Psychology			
PSYC6103	Internship in Educational Psychology	8	
Stream: Community Psychology			16
PSYC6119	Internship in Community Psychology	8	
Stream: Industrial & Organizational Psychology			
PSYC6118	Internship in Industrial and Organizational Psychology	8	
Enrichment Program I: For student who only takes Internship track only in semester 5, should take these courses:			
PSYC6142	Psychology in Practice	8	
PSYC6143	Current Issues in Psychology	4	
PSYC6086	Employability and Entrepreneurial Skill	3	
LANG6061	Indonesian	1	
Enrichment Program II: For student who only takes Internship track only in semester 7, should take these courses:			16
PSYC6147	Psychology Research Proposal	4	
PSYC6089	Employability and Entrepreneurial Skill	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
<i>For students who only take Entrepreneurship track in semester 5, should take these courses:</i>			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
<i>For students who take Entrepreneurship track in semester 5 and 7, should take these courses:</i>			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			
Enrichment Program II			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6031	Research Experience I	8	16
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6034	Research Experience II	8	16
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
Enrichment Program I: For student who takes research track only in semester 5, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	

Code	Course Name	SCU	Total
Enrichment Program II: For student who takes research track only in semester 7, should take these courses:			16
RSCH6037	Research Experience	8	
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
CMDV6004	Community Development Project Implementation	8	
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
GLOB6012	Elective Course for Study Abroad 8	2	
GLOB6013	Elective Course for Study Abroad 9	2	
GLOB6014	Elective Course for Study Abroad 10	2	
GLOB6015	Elective Course for Study Abroad 11	2	
GLOB6016	Elective Course for Study Abroad 12	2	
GLOB6041	Elective Course for Study Abroad 25	3	
GLOB6042	Elective Course for Study Abroad 26	1	

Code	Course Name	SCU	Total
Enrichment Program II			16
GLOB6017	Elective Course for Study Abroad 13	4	
GLOB6018	Elective Course for Study Abroad 14	4	
GLOB6019	Elective Course for Study Abroad 15	4	
GLOB6020	Elective Course for Study Abroad 16	4	
GLOB6021	Elective Course for Study Abroad 17	2	
GLOB6022	Elective Course for Study Abroad 18	2	
GLOB6023	Elective Course for Study Abroad 19	2	
GLOB6024	Elective Course for Study Abroad 20	2	
GLOB6025	Elective Course for Study Abroad 21	2	
GLOB6026	Elective Course for Study Abroad 22	2	
GLOB6027	Elective Course for Study Abroad 23	2	
GLOB6028	Elective Course for Study Abroad 24	2	

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

The Table of Prerequisite for 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
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

The ability of jurisprudence on which to base has contained a number of 60 credits that became a compulsory subject Study Program Business Law, while 14 credits of courses UBINUS typical form of character-building courses, English and Entrepreneurship, the uniqueness courses, while 40 credits will be focused on the specification and applied science in business and ICT in these two concentrations, and internship with 32 credits of up to a total of 146 credits.

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	20	
	LAWS6084	Private Law	4		
	LAWS6008	Criminal Law	4		
	LAWS6085	International Law*	4		
	LAWS6083	Constitutional Law	4		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		

Sem	Code	Course Name	SCU	Total
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	
	CHAR6015	Character Building: Agama	2	
	ENTR6003	Entrepreneurship I	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	
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		16	16
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 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												
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			16
LAWS6101	Internship I	8	
LAWS6102	Legal Problem Identification in Industry	2	
LAWS6103	Legal Sources Analysis in Industry	2	
LAWS6120	Team work & Communication in Industry I	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
LAWS6105	Internship II	8	
LAWS6106	Legal Problem Solving in Industry	2	
LAWS6107	Legal Decision Making in Industry	2	
LAWS6108	Team Work & Communication in Industry II	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6062	Business Start Up	8	
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
ENTR6070	Growing a Business	8	
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6031	Research Experience I	8	
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
RSCH6034	Research Experience II	8	
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6001	Community Outreach Project Implementation	8	
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			16
CMDV6004	Community Development Project Implementation	8	
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	LAWS6084	Private Law*	C
6	LAWS6008	Criminal Law	C
7	LAWS6088	Principles of Business 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		
2	CHAR6014	Character Building: Kewarganegaraan	2	20	
	INTR6005	Introduction to International Trade and Business*	4		
	INTR6006	Introduction to Security Studies*	4		
	INTR6007	International Relations Research Method	4		
	Elective Courses: Foreign Languages I***				
	CHIN6103	Introductory Chinese I	4		
	JAPN6111	Introductory Japanese I	4		
	LANG6044	Introductory Arabic I	4		
	LANG6046	Introductory French I	4		
	LANG6048	Introductory Spanish I	4		
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		

Sem	Code	Course Name	SCU	Total	
3	CHAR6015	Character Building: Agama	2	24	
	INTR6008	Modern Theories of International Relations	4		
	INTR6009	Diplomacy and International Politics*	4		
	ENTR6003	Entrepreneurship I	2		
	Streaming: Multinational Corporations				
	INTR8055	The Rise and Fall of Multinational Corporations*	2		
	INTR6051	Indonesia and International Development*	2		
	INTR8034	Multinational Corporations and Social Responsibility	4		
	Streaming: Trade and Business Diplomacy				
	INTR8049	Global Economic Architecture*	2		
	INTR8053	National Identity in a Global World*	2		
	INTR8038	WTO and Trade Diplomacy	4		
	Streaming: 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		
	Streaming: Security Studies				
	INTR8050	Global Security Architecture*	2		
	INTR8054	The Indonesian Defense Strategy*	2		
	INTR8044	Strategic Leadership	4		
	Elective Courses: Foreign Languages 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		
	INTR6076	ASEAN Community: Security, Economic, and Socio-Cultural Aspects**	4		
	Elective Courses: Foreign Languages III***				
	CHIN6102	Intermediate Chinese	4		
	JAPN6110	Intermediate Japanese	4		
	LANG6041	Intermediate Arabic	4		
	LANG6042	Intermediate French	4		
	LANG6043	Intermediate Spanish	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		
Streaming: 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			16	
	Enrichment Program I		16		
	Stream: Trade and Business Diplomacy				
	Enrichment Program I		16		
	Stream: Media, International Organization and Global Governance				
	Enrichment Program I		16		
	Stream: Security Studies				
Enrichment Program I		16			

Sem	Code	Course Name	SCU	Total
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	
	INTR6010	Indonesia's Foreign Policy*	4	
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			
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				
LANG6061	Indonesian	1	16	
INTR6057	Industrial Experience	8		
Stream: Multinational Corporations				
INTR6067	Dynamics of State Interaction and Multinational Corporations in Globalization Era	4		
INTR6089	International Business Report Writing	3		
Stream: Trade and Business Diplomacy				
INTR6068	Risk Analysis in International Relations	4		
INTR6092	International Trade Analysis Writing	3		
Stream: Media, International Organization and Global Governance				
INTR6070	The Role of International Media in a Global World	4		
INTR6090	Journalistic Writing for International Relations	3		
Stream: Security Studies				
INTR6069	Strategic Industry and Global Security	4		
INTR6091	Security Analysis Writing	3		
Enrichment Program II				
INTR6058	Experience in National/International Organization	8	16	
Stream: Multinational Corporations				
INTR6072	Research Proposal Writing in MNC	4		
INTR6064	International Business Presentation Skill	4		
Stream: Trade and Business Diplomacy				
INTR6074	Research Proposal Writing in Trade and Business Diplomacy	4		
INTR6065	Negotiation Skill in Business Diplomacy	4		
Stream: Media, International Organization and Global Governance				
INTR6071	Research Proposal Writing in Media, International Organization, and Global Governance	4		
INTR6061	Reporting Skill in International Setting	4		
Stream: Security Studies				
INTR6073	Research Proposal Writing in Security Studies	4		
INTR6066	Persuasion and Influencing Skill	4		

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
<i>For students who only take Entrepreneurship track in semester 5, should take these courses:</i>			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
<i>For students who take Entrepreneurship track in semester 5 and 7, should take these courses:</i>			
Enrichment Program I			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6085	EES in New Business	3	
LANG6061	Indonesian	1	
Enrichment Program II			
ENTR6070	Growing a Business	8	16
ENTR6071	Lean Start Up & Business Plan	2	
ENTR6072	Venture Capital	2	
ENTR6073	EES in Business Experience	4	
<i>For students who only take Entrepreneurship track in semester 7, should take these courses:</i>			
Enrichment Program II			
ENTR6062	Business Start Up	8	16
ENTR6063	Business Model & Validation	2	
ENTR6064	Launching New Venture	2	
ENTR6068	EES in New Business	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6031	Research Experience I	8	16
RSCH6032	Scientific Writing I	4	
RSCH6051	Global EES I (Team Work, Communication, Problem Solving & Decision Making)	3	
LANG6061	Indonesian	1	
Enrichment Program II			
RSCH6034	Research Experience II	8	16
RSCH6035	Scientific Writing II	4	
RSCH6036	Global EES II (Self-Management, Planning & Organizing, Initiative & Enterprise)	4	
Enrichment Program I: For student who takes research track only in semester 5, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6053	Global EES	3	
LANG6061	Indonesian	1	
Enrichment Program II: For student who takes research track only in semester 7, should take these courses:			
RSCH6037	Research Experience	8	16
RSCH6038	Scientific Writing	4	
RSCH6039	Global EES	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			
CMDV6001	Community Outreach Project Implementation	8	16
CMDV6002	Community Outreach Project Design	4	
CMDV6015	Employability and Entrepreneurial Skills	3	
LANG6061	Indonesian	1	
Enrichment Program II			
CMDV6004	Community Development Project Implementation	8	16
CMDV6005	Community Development Project Design	4	
CMDV6006	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track

Code	Course Name	SCU	Total
LANG6061	Indonesian	1	16
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	
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	16
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

By 2020, become a world class Primary Teacher Education department in continuous pursuit of innovation, education development, and research in education field.

Mission

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

1. Creating professional and passionate primary school teachers who educate, inspire, and innovate the community with high quality of education.
2. Developing research culture in academic environment of educational technology especially of primary teacher education.
3. Strengthening network in primary education community, contributing to local and global society in developing 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 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		

Sem	Code	Course Name	SCU	Total	
	English University Courses II				
	ENGL6129	English Savvy	2		
	ENGL6131	English for Written Business Communication	2		
3	CHAR6015	Character Building: Agama	2	24	
	EDUC6014	ICT Based Learning Media	4		
	EDUC6017	Curriculum and Instructional Development	4		
	STAT6099	Statistics for Education	4		
	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

**) Students are required to choose five of elective courses with the total of 8 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 (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 for Primary 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 contribute the major skill in 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 outcomes:

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 outcomes:

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 of Industry, Management Analyst, Business 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	
Minor Program II			6
MGMT6177	Operational Management	4	
MGMT6178	Leadership in Organization	2	

2.4 Course Descriptions

SUBJECT AREA: ACCT

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; Calculate CVP, cost of goods manufactured, cost variances, cost allocation; Analyze decision making and just in time inventory; Prepare job order cost sheet, master budget, flexible budget, process costing

Topics: An Introduction To Cost Terms and Purposes; Cost-Volume- Profit Analysis; Job costing; Activity Based Costing & Activity Based Management; Master Budget and Responsibility Accounting; Flexible Budget, Direct-cost Variances and Management Control; Decision Making and Relevant Information; Cost Allocation, Customer Profitability Analysis and Sales Variance Analysis; Allocation of Support-Department Costs, Common Costs and Revenues; Cost Allocation, Joint products and By Products; Process Costing; 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; Financial Accounting and Accounting Standards; Conceptual Framework for Financial Reporting; 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: Apply the recording and calculation methods of plant assets, natural resources, intangible assets, liabilities, share transactions, dividends, retained earnings and investments accounts in the financial statements; Calculate time value concepts related to bond pricing; Prepare statement of cash flows using indirect and direct 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.

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 consignment 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 presentation and disclosure in financial statements including reporting for segments and interim financial reports.

Topics: Recognizing Revenues; Installment Sales; Consignment Sales; Accounting for Income Taxes; Accounting for Pensions and Post Retirement Benefits; Insurance Contract, Life Insurance and General Insurance; 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.

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; Why People Commit Fraud?; Fighting Fraud: Overview; Preventing Fraud; Recognizing the Symptoms of Fraud; Data Driven Fraud Detection; Investigating Theft Act; Investigating Concealment; Conversion Investigating Fraud; Financial Statement Fraud; Revenue and Inventory Related Financial Statement Fraud; Liability, Asset, and Inadequate Disclosure Frauds; Fraud Against Organizations; Consumers Fraud; Bankruptcy, Divorce, and Tax Fraud; Fraud in E-Commerce.

ACCT6049 - MANAGERIAL 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 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

ACCT6052 – 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.

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.

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: Explain audit environment on which auditors apply their professional audit, Prepare audit planning for financial statement audit, Explain how internal control apply in company.

Topics: Auditing and the Public Accounting Profession-Integrity of Financial reporting, Auditors' Responsibilities and Report, Professional Ethics, 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: Including the Risk of Fraud, Understanding Internal Control, Audit Procedures in Response to Assessed Risk: Test of Control, Audit Procedures in Response to Assessed Risk: Substantive Test, Audit Sampling.

ACCT6063 – FINANCIAL AUDIT II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain audit process and audit program according to auditing standard; Explain importance of internal control understanding, professional ethics and accountant legal liability; Prepare audit program and audit working paper for supporting document to formulate proper audit opinion.

Topics: Review Audit Testing and Audit Sampling; Auditing and Revenue Cycle; Auditing the Expenditure Cycle; Auditing the Production and Personnel Service Cycles; Auditing the Investing and Financing Cycles; Auditing Investments and Cash Balance; Completing the Audit and Post Audit Responsibilities; Attest and Assurance Service, and Related Reports; Internal, Operational and Governmental Auditing.

ACCT6065 – COST ACCOUNTING (4 Credits)

Learning Outcomes: Students will be able to 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 Backflushing; Labor: Controlling and Accounting for Costs; Factory Overhead: Planned, Actual and Applied; Factory Overhead: Departmentalization.

ACCT7066 – MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Discuss The role of management accountants in an organization; Compute Cost classifications, cost behavior, cost volume profit relationship; Calculate Variable Costing, Activity-Based Costing, Profit Planning, and Flexible Budgets Performance Analysis; Prepare The Balance Score Card, Pricing Products, Profitability Analysis, Transfer Pricing, and Decision Making Under Uncertainty; Appraise strategic business and through planning and decision support

Topics: Managerial Accounting and the Business Environment; Managerial Accounting and Cost Concepts; Cost Behavior: Analysis and Use; Cost-Volume-Profit Relationship; Variable Costing: A Tool for Management; Activity-Based Costing: A Tool to Aid Decision Making; Profit Planning; Flexible Budgets and Performance Analysis; Relevant Costs for Decision Making; The Balance Score Card; Pricing Products and Services; Profitability Analysis; Transfer Pricing; Decision Making Under Uncertainty

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

Learning Outcomes: Students will be able to 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 non profit 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.

ACCT6075 – METHOD AND PRACTICE OF COST ACCOUNTING (2 Credits)

Learning outcomes: At the end of this course, students will be able to compare and contrast marginal (or variable), throughput and absorption accounting methods in respect of profit reporting and stock valuation; discuss a report

which reconciles budget and actual profit using absorption and/or marginal costing principles; discuss activity-based costing as compared with traditional marginal and absorption costing methods, including its relative advantages and disadvantages as a system of cost accounting; apply standard costing methods, within costing systems, including the reconciliation of budgeted and actual profit margins.

Topics: Activity-based costing, integration of standard costing with marginal cost accounting, absorption cost accounting and throughput accounting, back-flush accounting, just in time production, Interpretation of variances: interrelationship, significance.

ACCT7076 – CORPORATE GOVERNANCE (2 Credits)

Learning outcomes: 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).

ACCT6077 – METHOD AND PRACTICE OF AUDITING (2 Credits)

Learning Outcomes: Students will be able to prepare audit working paper, performing audit testing and preparing audit report and summary of audit adjustment. Students also expected to perform control testing procedure and substantive audit procedures.

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.

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 : Explain basic concept of Risk, Governance, and Internal Control; Analyze implementation and importance of Enterprise Risk Management (ERM), strong governance, and Compliance Issues Today; Explain Concept of Corporate Culture and Risk Portfolio Management, Information Technology and Enterprise Risk Management, and Importance of ERM in Board Room; Plan Establishment an Effective GRC concept and ERM into Company.

Topics: Introduction : Enterprise Risk Management Today; Importance of Governance, Risk and Compliance (GRC) Principles; Risk Management Fundamentals; The COSO ERM Framework; Implementing ERM in the Enterprise; Importance of Strong Governance Practices; Enterprise Compliance Issues Today; Integrating ERM with COSO Internal controls; Corporate Culture and Risk Portfolio Management; Importance of ERM in the Corporate Board Room; Role of Internal Audit in Enterprise Governance, Risk and Compliance; Information Technology and Enterprise Risk Management; Establishing an Effective GRC Culture throughout the Enterprise

ACCT6082 – THESIS (6 Credits)

Learning Outcomes: After finishing this course, students are able to apply their knowledge/skills that have been learned in the study in the form of written research.

ACCT6083 – ADVANCED ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of business combination, concept of group reporting, and insolvency; Prepare the consolidated financial statement on the date and after the acquisition; Prepare consolidated work papers for intercompany sales of inventory, property, equipment, and bond using cost and complete equity methods; Prepare trustee reporting during liquidation or reorganization; Apply the accounting for foreign currency transactions, hedging, and financial statements of foreign affiliates.

Topics: Introduction to Business Combinations, Conceptual Framework and Accounting for Business Combinations; Consolidated Financial Statements - Date of Acquisition; Consolidated Financial Statements after Acquisition; Allocation and Depreciation of Differences between Implied and Book Values; Elimination of Unrealized Profit on Intercompany Sales and Inventory; Elimination of Unrealized Gains or Losses on Intercompany Sales of Property and Equipment; Intercompany Bond Holdings and Miscellaneous Topics - Consolidated Financial Statements; Changes in

Ownership Interest; Insolvency - Liquidation and Reorganization; Accounting for Foreign Currency Transactions and Hedging Foreign Exchange Risk; Translation of Financial Statements of Foreign Affiliates

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.

ACCT6098 – THESIS (6 Credits)

Learning Outcomes: After finishing this course, student are able to 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.

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

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

ACCT6114 - RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE (2 Credits)

Learning Outcomes: Students will be able to identify and appraise a range of research philosophies, methodologies and designs within accounting, finance, business and economics research, Critically assess the relative merits of different research methods in relation to specific needs, research briefs and research proposals, Undertake critical appraisals of previous research in specific areas or sectors of accounting, finance or economics - according to the award being followed, Conduct research for the dissertation using appropriate methods.

Topics: The role and significance of research within accounting and finance; formulating research, research questions, hypotheses, concepts, operations and briefs; secondary and Library based research, literature searching, using abstracts, indexes, bibliographies, computer catalogues, CD-Roms and research uses of the Internet; Research philosophies, epistemologies and ontologies and their relevance to quantitative and qualitative methodology and methods: historical development of epistemological paradigms, positivism, phenomenology, critical/structuralist theory, and inductive and deductive research; Collecting, analysing and interpreting data: survey methodology and methods, questionnaire design and administration, questionnaire analysis including basic statistical techniques and computer data using SPSS (or equivalent) and introducing other data analysis packages; Qualitative research methods including structured, semi-structured and unstructured interviews, focus groups, participant and non participant observation; Research ethics, social and economic objectives of research: covert research and participant observation; Writing and presentation research results and analysis: writing research briefs, writing proposals, structuring research reports, giving research presentations.

ACCT6115 - ACCOUNTING APPLICATION LABORATORY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to; Use the function, keys, and key menus of MS Excel and accounting software; Use applications to enter the purchase transaction, sales transaction, bank transaction, and general journal entries transaction; Prepare report and financial statement using MS Excel and particular accounting application

Topics: New Data File, Chart of Account, Account, Customer, Supplier, and Link Account; Inventory, Purchase Transactions, Sales Transactions; Banking and General journal Entries , Other Currency Setup and Reporting.

ACCT6116 - SOCIAL AND ENVIRONMENTAL ACCOUNTING (2 Credits)

Learning Outcomes: At the end of this course, students 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: 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.

ACCT6119 – INTERNSHIP (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; Apply the related accounting theory to solve real accounting cases; Manage scarce resources to get work done

ACCT6120 - INTERNSHIP I (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; Apply the related accounting theory to solve real accounting cases: Manage scarce resources to get work done.

ACCT6121 - 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.

ACCT6210 - EES IN INDUSTRY I (3 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

ACCT6125 - MANAGERIAL ACCOUNTING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: 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: 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

ACCT6126 - INTERNSHIP II (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; Apply the related accounting theory to solve real accounting cases; Manage scarce resources to get work done

ACCT6129 - EES IN INDUSTRY II (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

ACCT6132 - EES IN INDUSTRY (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

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.

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; Create information system process flowchart with specific tools; Analyze internal control to mitigation for information system risk; Design Database Framework for Accounting System; Create specific internal control for revenue, expenditure, production and HRM Cycle; Apply Concept and step of System Development Life Cycle

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; System Design, Implementation and Operation; Implementing an REA Model in a relational database.

ACCT7142 - INTERNAL AUDIT (2 Credits)

Learning Outcomes: Students will be able to use auditing techniques to assist top management to achieve the firm's strategic goals; recommend practice of how a modern internal audit function should be organized; provide some specific review guidance in important areas of operations.

Topics: Foundations of internal auditing; Importance of internal control; Internal control framework: COSO & COBIT; Sarbanes Oxley; Risk Management; Effective internal audits; Standards for the professional practice of internal auditing; Testing and evaluating audit evidence; Audit programs; Internal audit charters and building internal audit function; Internal audit key competencies; Project management; Documenting results through process modeling and work papers

ACCT6177 - PRINCIPLES OF TOURISM ACCOUNTING AND FINANCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the accounting principles, concepts within the hospitality industry; Review briefly and give examples of some of the major types of costs, such as direct and indirect costs, fixed and variable costs, and discretionary costs; Perform the common uses of major elements in both the statement of cash flows and the various statements used to analyze working capital; Evaluate the financial analysis projections of a feasibility study.

Topics: Basic Financial Accounting Review; General Accounting Terms; Generally Accepted Accounting Principles; The Ledger Account; Understanding Financial Statement; Income Statement and Balance Sheet; Analysis and Interpretation of Financial Statements; Ratio Analysis; Internal Control; Method of Theft or Fraud; Problem Unique to The Hospitality Industry; Principles of Internal Control; The Bottom Up Approach to Pricing; Cost Management; Allocating Indirect Cost to Revenue Area; The Cost Volume Profit Approach; Cost Volume Profit Formula (Cont'd); Operation Budgeting; The Budget Cycle; Statement of Cash Flows and Working Capital Analysis; Statement of Cash Flows and Working Capital Analysis (Cont'd); Cash Management; Cash Conservation and Working Capital Management; Capital Budgeting and The Investment Decision; Feasibility Studies; Financial Goals and Information Systems

SUBJECT AREA: ARCH

ARCH6001 – INTRODUCTION TO ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the Context in Architecture; Explain the Architectural Design Principles; Explain the Technology and Building System; Describe the Theory, Research, Evaluation and Critics in Architecture; Describe the Allied Disciplines

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

ARCH6003 – BUILDING PHYSICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe Building science (lighting, ventilation, sound, sun and climate, wind); Apply building science in architectural design for room quality and low energy building in the tropic; Modify architectural elements for low energy purposes.

Topics: Introduction : Building Science; Wind and Building; Natural Ventilation and Design; Air Conditioning : Natural Ventilation and Mechanical; Daylight; Artificial Lighting; Acoustics, Sound, Noise; Sun and Climate; Heat Flow and Thermal Insulation; Thermal Control by Design; Energy and Architecture; Low Energy Building Design

ARCH6004 – CITY AND SETTLEMENT (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the historical development of cities and settlements; Understanding about the aspects that play a role in the process of city

formation; Describe the morphology development of settlements, the pattern of the built environment and residential buildings as well as a variety of ways the implementation of the settlement; Describe the city as a process; Define the urban settlement development policy in Indonesia.

Topics: Urban Settlement; Urban Settlement History; Urban Design Today; A Functionalist, Empiricist Urban design; City as a Product; The Element of Urban Design; City As Process; Urban Anthropology; Urban Development and Residential Growth; Urban development Criteria; Sustainable housing: Architecture, society and Professionalism; Millennium Development Goal for 21st Century.

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; Explain real estate financial and investment model; Explain real estate marketing and regulation in Indonesia; Discuss real estate theory and its application in case of housing estate; Design a proposal of New Housing Estate (small scale).

Topics: Real Estate Definition & Development; Investment and Financial Aspect in Real Estate; Marketing Aspect in Real Estate; Legal Aspect in Real Estate; Real Estate Development (Study Case); Real Estate Development; Housing Estate (study case)

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; Produce the drawing rendering; Produce the presentation based on architectural communication technique.

Topics: The Role 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; Orthographic drawing of double things; Case Study: orthographic drawing of double things; Orthographic drawing of triplet things; Case Study: orthographic drawing of triplet things; Perspective drawing; Case Study: Drawing simple object , with two point perspective principle; Perspective drawing of one point of building; Case Study: Drawing building , with one point perspective principle; Perspective drawing with two point principle; Case Study: Drawing big object , with two point perspective principle; Building notation; Case Study: Drawing a notation of a single building; Rendering (black white); Case Study: Render The object with black white colours; Rendering (many colours); Case Study: Render the object with many colours; Scala/ formatting design; Case Study: Make a single house format; Presentation format; Case Study: 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: Explain the important factors in a site planning, Analyze the important factors in a site planning, Apply the site planning systems, Design a comprehensive site planning in an architectural project.

Topics: Introduction; Site data; Environment; Site analysis; Survey; Vegetation in site plan; Design; Site system; Grading; Site Planning.

ARCH6018 – BUILDING TECHNOLOGY I (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Identify the concept of structure and construction of low building (1-2 storey); Describe system structure, construction and building materials; Explain the technical specifications of building materials for structures; Plan building construction drawings and the detail of structural systems for preparation to carrying out construction work tenders; calculate the volume of material from the drawing of construction.

Topics: Basic Introduction To Low Building Structure (1-2 storey); Introduction Of Soil Structure; Application Of Foundation Structure System; Introduction And Application Of Columns And Beams System; Structural and Non-Structural Walls; Frame For Doors And Windows; Doors And Windows; Application Of Flooring System; Introduction And Application Of Ceiling System; Roof Covering; Roof Truss Structures; Stair Structures; Working Drawings.

ARCH6019 – BUILDING TECHNOLOGY II (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: 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: Design a wide span building system including structural design, roofing, and appropriate building envelope; Create a diagram/scheme of building construction and isometry structure; Plan building construction drawings and the detail of structure systems; Choose building materials; Describe system structure, construction and building utilities; Create a scheme of detail structure drawings.

Topics: General Description of Building with Wide Span Structures; Load on Wide Span Structure System; Portal Structure System; Cable Structure System; Combination Structure for Portal and Cable; Tent Structures (Membrane); Combination Structure for Portal, Cable and Membrane; Space Frame Structure System; Space Truss, Flat truss and Truss Structure System; Shell Structures; Folded Plate Structures; Pneumatic Structures; Implementation of Various Systems in The Design of Wide Span structures Building.

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 the importance of Methods in Architectural Design; Describe the value and issues in architecture; Describe the stage of Architectural Programming; Analyze the architectural problems; Explain the evaluation methods

Topics: What is Designing; The Need for New Methods; The Nature of Architectural Programming; Value and Issues in Architecture; Choosing Strategies and Methods; Problem and Solution; Gathering Information; Analyze Architectural Problem; Concept in Architecture; Methods of Evaluation

ARCH6042 – ARCHITECTURAL DESIGN I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Produce an architectural design work; Arrange building system; Apply the professional ethics in architectural practice; Integrate cultural & environment system in architectural design; Solve the problem of human needed in architectural design

Topics: Introduction; Ordering Principles; Architectural Design Process; Architectural Design Production; Final Design 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 practice; Integrate cultural & environment system in architectural design; Arrange building system; Produce an architectural design work.

Topics: Introduction; Precedent in architecture; Strategic definition; Preparation and brief; Concept Design; Developed Design; Final design presentation & review

ARCH6044 – ARCHITECTURAL DESIGN III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Arrange building system; Apply the professional ethics in architectural practice; Analyze cultural & environment system in architectural design; Solve the problem of human needs in architectural design; Produce an architectural design work

Topics: Introduction; Architecture Design Process; Architecture Design Production

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; Integrate cultural & environment system in architectural design; Arrange building system; Apply the professional ethics in architectural practice; Produce an architectural design work.

Topics: Introduction; Architecture Design Process; Architecture Design Production

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; Integrate cultural & environment system in architectural design; Arrange building system; Apply the professional ethics in architectural practice; Produce an architectural design work

Topics: Introduction; Strategic Definition; Preparation and Brief; Concept Design; Developed Design; Final Design Presentation

ARCH6047 – BEHAVIOR IN ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the importance of behavioural setting in architectural design; Explain the perception of place; Explain the theories of environment – behaviour relationship; Explain the planning and design on behaviour setting

Topics: The Importance of Environmental Psychology; The Nature and Human Nature; The Perception of Place; Environmental influences on Behaviour; Personal Space and Territoriality; High Density and Crowding; Planning and design for Human Behaviour

ARCH6048 – TRADITIONAL ARCHITECTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the influence of Culture, Ethnograph, Archeology and Sociotourism in Architecture; Describe the principal of Indonesian traditional Architecture; Analyze the vernacular Architecture in Indonesia

Topics: Introduction: The relation of Culture, Ethnograph in Architecture and Archeology; Introduction to Indonesian Traditional Architecture; The Architecture of Hindu, Budha and Islamic kingdom in Indonesia; Principles of Indonesian Traditional Architecture; Regionalism in Architecture; Vernacular Architecture of 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 – INSTALASI INTERIOR (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Collect the specification and characteristics of the materials to be used, including methods of installation; Analyze the method of interior installation and application; Integrate materials, colors and expressions into a sustainable interior design; Design interior space with comprehensive reference of material that can be integrates with the properties and performance characteristics of materials.

Topics: Introduction to Space Planning; Construction Drawings for the Interior Design; Introduction to Material Properties and Performance Characteristics; Application and Installation Method for Interior; Psychological Impact of Color in the Interior Perspective; Installation of Interior Partitions; Ceilings : Construction, Fabrication and Materials; Introduction to Interior Millwork; Wall Finishing; Lighting; Flooring Materials; Mechanical and Electrical Systems for Interior; Acoustics.

ARCH6071 – PROPERTY ASSESSMENT I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain property 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: Select building system; Analyze building system; Arrange building system; Apply cultural & environment system in architectural design; Analyze cultural & environment system in architectural design; Integrate cultural & environment system in architectural design.

Topics: Introduction; Color and Material; Color and Space; Material; Site Surface; Texture (Carpet & Rugs); Texture (Paint & Paper); Texture (Textiles & Leather); Texture (Wood); Texture (Stone & Clay); Texture (Glass & Metal).

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 construction case study.

Topics: Introduction to Project management; Managerial; Project organization; Scheduling; Early Estimates 1; Early Estimates 2; Tenders agreement; Contract agreement; Construction Phase 1; Construction Phase 2; Risk management; Hand over Project; Closing The Project.

ARCH6083 - INTERIOR TECHNICAL DRAWING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate object projection; Create the interior details for interior design project; Create the furniture details for furniture design project

Topics: Technical Drawing Introduction; Projection Drawing; Complete Image and Modification; Furniture Drawing; Furniture Drawing Advance; Furniture details in construction drawing

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 Definition; 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; Design 3 dimension aesthetics; Create The art work based on aesthetics principles.

Topics: Introduction; Basic Aesthetics Elements; The Proportion and composition Theory in Aesthetics; Art form in 2 dimension; Artform in 3 dimension; Presentation and Evaluation

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; Deformations and morphing; Fabrication; Design strategy; Architectural Geometry Design project; Project presentation

ARCH6091 - INDUSTRY EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand Industry Experience, technical competency and soft skills which needed in professional practice.

Topics: Organization Structure in consultant; professional ethics; software application; communication skill; public speaking; presentation.

ARCH6092 - INTEGRATED ARCHITECTURAL DESIGN (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the planning process and integrated design in Architectural Consultant.

Topics: Concept development; Planning and Designing the project; Integrated design.

ARCH6093 - ADVANCED PROJECT PROGRAM (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: Explain the role of research in architecture; Interpret and evaluate research in architecture; Execute architect 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

ARCH6085 - PROJECT PROGRAM (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

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: Explain color systems and theories of color; Apply color harmonies and composition of colour; Experiment color psychology and physiology to create mood in the room

Topics: Introduction to color theories; Introduction to color systems; Color Terminology; Language of color; Chromatic color circle; Local color & subjective use of color; Period of colour; Color Character; Psychology of colour; Mood board and color scheme

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

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

BUSS7001 – INTERNATIONAL BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the different challenges business face when they operate in an international environment; Explain the various cultural, political and legal issues that impact international business activity; Examine the international institutions and practices that impact international business; Explain trade and investment theory, foreign exchange, and the determination of foreign exchange rates; Examine the interaction of business and government as they relate to international commerce; Construct insight into the management implications of international business strategy and operations.

Topics: Introduction and Course Overview; National Differences in Political Economy; Difference in Culture; Ethics in International Business; International Trade Theory; The Political Economy of International Trade; Foreign Direct Investment; Regional Economic Integration; The Foreign Exchange Market; The International Monetary System; The Global Capital Market; The Strategy of International Business; The Organization of International Business; Entry Strategy and Strategic Alliances; Exporting, Importing, and Countertrade; Global Production, Outsourcing, and

Logistics; Global Marketing and R & D; Global Human Resources Management; Accounting in The International Business; Financial Management in The International Business.

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: Globalization and international Trade; The Rationales for International Trade; The Comparative Advantage: Technology; The Comparative Advantage: Factor Endowments; The Comparative Advantage: Specific-Factor Models; Increasing Returns to Scale: Internal Increasing Returns; Imperfect Competition: Oligopoly; Imperfect Competition: Monopolistic Competition; International Trade Policy; Offshoring; Issues in International Trade; Trade and Environment; Trade and Human Rights; Trade Agreements; Trade Deficit; Trade and Exchange Rates

BUSS7006 - EXPORT-IMPORT MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the strategies and cases of export import business; Explain the procedures and practices in export import case; Analyze procedures and strategies in export import business.

Topics: Foreign Trade-Institutional Framework and Basic; Export-Import-Documentation and Steps; Methods and Instrument of Payment and Pricing Incoterm; Export-Import Strategies and Practice; Export Marketing; Methods of Financing Exporters; Business Risk Management and Coverage; Custom Clearance of Import and Export Cargo; Logistic and Characteristic of Modes of Transportation; Characteristic of Shipping Industry; World Shipping; Containerization and Leasing Practices; Export Procedures and Documents; Information Technology and International Business; How to Set Your Own Import/Export Business.

BUSS7008 - EXPORT-IMPORT DOCUMENTATION & STANDARDIZATION (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the organization of export and import operations; Explain the procedures and documentation of export and import business; Apply the export and import business compliance.

Topics: Organizing for export import operations; Exporting: Preliminary considerations; Exporting: 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: After finishing this course, the graduates will be able to demonstrate the connections between concepts and procedures of cost management, see the relevance of cost management concepts and procedures, and demonstrate how to use this information in the future relating to export and import.

Topics: Introduction to Strategy, Cost Management, and Cost Systems; Planning and Decision Making; Operational-Level Control; Management-Level Control.

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, Budget, 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: At the end of this course, students will be able to: Apply the support functions in the day-to-day international business project environment; Evaluate the variables for success, executive involvement, and trade-offs on time, cost, and performance in international business project; Apply quantitative assessment in the day-to-day international business project environment; Appraise the more advanced topics in international business project management.

Topics: Time Management and Stress; The Management of Conflicts; Special Topics; The Variables for Success; Working with Executives; Trade-off Analysis in A Business Project; Network Scheduling Techniques; Project Graphics; Pricing and Estimating; Learning Curves; Modern Development in Project Management; Contract and Procurement; Critical Chain Project Management

BUSS6076 - 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.

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 through 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

BUSS6077 - COMMUNICATION AND TEAM WORK SKILL (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.

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 - PROBLEM SOLVING AND DECISION MAKING SKILL (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 through real world experience.

Topics: Activity Reports; Written Research Paper; Academic Major Integration; Performance Evaluation; Time Sheet Matrix

BUSS6040 - 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

BUSS6041 - 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

BUSS6042 - EES IN INDUSTRY (4 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team Work, Problem Solving, Interpersonal Skill.

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

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

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 accountants; Identify issues related to individual and organization ethics; Identify ethical dilemma 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 dilemma Case Study and discussion : Professional accountants in Public Practice Part 1; Ethical dilemma Case Study and discussion : Professional accountants in Public Practice Part 2; Code of ethics for Professional Accountants Part 3 : in Business; Ethical dilemma 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

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

BUSS6067 - 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

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

performance and 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

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.

SUBJECT AREA: CHAR

CHAR6011 – LEADERSHIP DEVELOPMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the main principles of leadership development, understand the classic and contemporary theories of leadership, develop leadership skills as teachers.

Topics: What is Leadership, Leadership Theories (Classic & Contemporer), Leadership Dos and Don't's, Leadership Skills, How to Develop Leadership Skills, Teachers as Leaders

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 meaning of religions for the world peace; Explain the God consciousness; Describe the influence of secularism to the religion; Explain 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; 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: State Chinese basic pronunciation and writing rules; Explain the meaning of new vocabularies; Use the new vocabularies in a simple word; Analyze the usage of grammar in correctly.

Topics: Introduction to Chinese Language; Introduce People and Myself; I am Learning Chinese; What Do You Want to Eat; How Much Does It Cost; Changing Money; Where Does He Live; We Are Foreign Students; Where Do You Study; Is This Chinese Medicine; Is Your Car New; How Many Employees Are There In Your Company; How Often Do You Go To The Library; What Is He Doing; I'm Going To The Post Office; Can I Try It On; Happy Birthday; We Are Leaving On 07.15 Tomorrow; I Want To Ask Him To Teach Me Chinese Opera; Mid-term Test Review; Is There A Post Office At School; I Want To Learn Taijiquan; She Learns Very Well; Reading a Story; Where Did Tian Fang Go; Marry Is Crying; I Came Right After I Ate Breakfast; I Answered All Correctly; I Came Two Months Ago; I Like Music More Than You Do; We Have A Similar Winter Like Beijing; It's Almost Winter; Hurry Up, We are Leaving; I Have Heard The Concerto of "Huang He"; Did You Find My Passport; My Glasses Are Broken; Final Test Review

CHIN6005 – CHINESE LANGUAGE II (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use the grammar points and vocabularies correctly; Distinguish the uses of the grammatical; Choose the right vocabularies in the right situation; Give examples of the grammar points and vocabularies which are listing in the text; Discuss about the culture which are mention in the text.

Topics: Review Bahasa China 1; Qianbian kai guolai yiliang kongche; Weishenme ba "fu" zi daotie zai men shang; Qing ba huzhao he jipiao gei wo; Wo de tui bei zixingche zhuangshang le; Jingju wo kan de dong, danshi ting bu dong; Wo de tui bei zixingche zhuangshang le & Lesson 15 Jingju wo kan de dong, danshi ting bu dong; Wo de tui bei zixingche zhuangshang le & Lesson 15 Jingju wo kan de dong, danshi ting bu dong; Shan zheme gao, ni pa de shangqu ma; Wo xiang qilai le; Shan zheme gao, ni pa de shangqu ma & ession 17 Wo xiang qilai le; Hanjia ni

dasuan qu nar luyou; You kunnan zhao jingcha; Hanjia ni dasuan qu nar luyou & Lesson 19 You kunnan zhao jingcha; Jili de shuzi; Li Jia de Shihou; Yi Feng Xin; Beijing de Si Ji; Lixiang; Hui Tou Zai Shuo; Chi Putao; Chengyu Gushi; Lian Ai Gushi.

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: At the end of this course, the students should 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; Analyze the meaning of Chinese vocabularies from its Characters.

Topics: Fast reading introduction; Skill part 1 : Chinese Bushou in reading ; Chinese Tales; Skill part 2 : Guess meaning of vocabularies from their forms; Skill part 3 : Guess the meaning of vocabularies in a Sentences; Chinese Short stories I; Humor stories; Skill part 4 : Compress Paragraph; Skill part 5 : Find keywords; Skill part 6 : Find the main idea in a Paragraph; Skill part 7 : Chinese Conjunctions; Chinese Short stories II; Chinese Interesting Number

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.

Topics: How to write an Extended Story; How to write an Abridged Story; How to write a Narration; How to write an introduction of a person; How to write an introduction of a place; How to write a book review

CHIN6022 – COMPOSITION III (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use grammar and punctuation in certain Chinese texts correctly; Integrate the ideas and thoughts in a systematic and clear composition; Compose advance Chinese Types of texts

Topics: Story; Description Text; Argument Text; Essay

CHIN6024 – CONVERSATION I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Perform vocabularies and sentences with correct and accurate pronunciation and intonation; Speak suitable answer for the questions; Express vocabularies from the topic/picture in simple sentences; Demonstrate a dialogues with partners based on topic

Topics: Pronunciation and Pinyin; Greeting and Introducing; Numbers; Date and Time; Directions and Accommodation; Review I; Living In China; Weekend; Teaching English; Christmas; Review II; Doing exercise; The computer is fixed; Review III; Decoration; Temperature; News; End of semester

CHIN6025 – CONVERSATION II (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the functional sentences of daily conversations; Practice the functional sentences of daily conversations; Apply the functional sentences into daily conversations according to given situation.

Topics: I haven't been to anywhere; Go to bed early at night; Let's go mountain climbing; Let me help you take them upstairs; He's from Singapore; This colour suits you well; The sooner, the better; I can't understand it, but I like it; I couldn't fall asleep no matter how; The subway is faster than the bus; It would be better to go to the hospital than to the drugstore; All the houses are new; They all say that the dumplings I make are delicious; Besides going to classes, what else do you do every day; I will be either in the office or in the conference room; Call to make a reservation immediately; I want a berth ticket to Guilin; It is said that all of these are handmade; I am preparing my CV; Make sure you don't lose it again; More than 85% of people watch this program; Your luggage is overweight; We certainly will keep in touch with you.

CHIN6026 – CONVERSATION III (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Debate the answer according to the topic; Relate the story base on the given topic; Perform the dialogue according to the topic

Topics: First day; Follow local customs; Hometown; Go or stay; Workaholic; School mass organizations; Treating people; Return goods; Rent a house; Believe or not; Learning and reference; Part work and part study system; Evaluation; Travel; Reading books; Unforgettable

CHIN6027 – CONVERSATION IV (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Build correct pronunciation and intonation system; Use Intermediate Chinese common words and related sentences skillfully; Apply the ability in using language to communicate and discuss opinions of general topics of social life.

Topics: Zaijia kao fumu, chumen kao pengyou; Sankou zhi jia shi lixiang de jiating ma; Shuaka xiaofei, xiangshou shenghuo; Kenlaozu: Aiqi buxing, nuqi buzheng; Dige, xinku le; Yueliang daibiao wo de xin; Jian le zhima, diu le xigua; Jiaoyu xuyao peiyang quanmian fazhan de ren; Xuyao de hua, women gei ni da dianhua; Pangguanzhe qing, dangjuzhe mi; Chengshi rang shenghuo geng meihao; Ditan shenghuo, cong wo zuo qi; Xuni shidai, yiqie jie you keneng.

CHIN6029 – CHINESE THESIS (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: 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: Background 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: After finishing 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: Zhonghua Yuangu Renlei he Shizu Juluo, Chuanshuo Shidai de Wenming Shuguang; Guojia de Chansheng he Shehui de Biange: Xia Shang Xizhou, Xia Shang Xizhou Shehui yu Guojia, Chunqiu yu Zhanguo Shidai; Guojia de Chansheng he Shehui de Biange: Jiaguwen, Sixiang Wenhua, Xianmin Zhihui yu Chuangzao; Dayitong De Qin Han Digu: Qindiguo de Xingwang, Zhongyang Jiquan de Cuoshi; Dayitong De Qin Han Digu: Qin Han Tuijin Dayitong Geju, Kaikuo Xiyu He Sichou Zhi Lu, Kexue Jishu, Changsheng de Wenhua; Zhengquan Fenli Yu Minzu Huiju: Sanguo Dingli Jumian de Xingcheng, Nanfang Jingji de Fazhan, Beifang Minju de Huiju; Zhengquan Fenli Yu Minzu Huiju: Lingxian Shijie de Kexue Jishu, Yishu Chengjiu, Chengyu Lishi Gushi; Fanrong Yu Kaifang De Shehui: Sui de Tongyi yu Dayunhe, Tang taizong yu Zhenguan zhi Zhi, Qidu Huihong de Longsheng Shidai, Angyang Jinqi de Shehui Fengmao; Fanrong Yu Kaifang De Shehui: Hetong wei Yijia, Kaifang yu Jiaoliu, Faming yu Keji Chuangxin, Cuican de Wenxue Yishu, Zhonghua Zhuxing de Laili; Liao, Xixia yu Beisong Bingli, Songjin Nanbei Duizhi, Jingji Fazhan yu Zhongxin Nanyi, Fengfu Duocai de Shehui Shenghuo; Yuandiguo Kuozhan Tongyi Duominzu Guojia Jiye, Tuidong Shehui Jinbu de Keji Chengjiu, Fanrong de Songyuan Wenhua, "Qingming Shanghe Tu"; Mingqing Digu de Zhuanzhi Tongzhi, Mingqing Kangji Waiguo Qinlv de Yingyong Douzheng, Tongyi Duo Minzu Guojia de Gonggu he Fazhan; Dayitong Qipai Yu Zhonghua Minzu de Xiangzheng, Kexue Jishu yu Shisu Wenxue, Cong Zhenghe Xia Xiyang dao Biguan Suoguo, Jindai Qianye de Shengshi yu 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 pronunciation in different situations with clear, natural pronunciation and intonation; Classify Various Phonetics sound according to Chinese Pronunciation

Topics: The Tones and the Simple Finals; The Initial; International Alphabet I; International Alphabet II; Review And Comprehensive Exercises; The Compound Final; Nasal Finals; The Changes of Tones; The Changes of Tones II; The Neutral Tone; The r- Ending Retroflexion; The Changes in the Pronunciation Of “a” Intonation

CHIN6035 – CHINESE CULTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain general characteristics of Chinese culture; Recognize the classifications of Chinese culture; Discuss Chinese common cultural issues

Topics: Zhongguo Chuantong Sixiang; Zhongguo Gudai Wenxue; Zhongguo Gudai Keji; Zhongguo Chuantong Yishu; Zhongguo Wenwu; Zhongguo Gudai Jianzhu; Zhongguo Gongyi Meishu; Zhongguo Minsu

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

CHIN6061 – CHINESE LANGUAGE I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Differentiate Chinese Pronunciations and Intonations; 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: Chinese Pronunciation, Intonation and Pinyin; Chinese Characters; Chinese Numeral; Review I; At the bank; At the Cafeteria; Review II; At the Restaurant; Review III; Making a Phone Call

CHIN6062 – CHINESE LANGUAGE II (2 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Design conversation referring to industrial requirements; Demonstrate conversation that have been studied in daily conversation; Develop sentences into good conversation; Develop sentences according to the correct grammar.

Topics: Wo yao mai juzi - I want to buy some oranges; Wo xiang mai maoyi - I want to buy a sweater; Yao huan che - You have to change buses; Wo yao qu huan qian - I am going to change money; Wo yao zhao zhang xiang - I want to take a picture; Ni kan guo jingju ma - Have you ever seen a Beijing opera; Qu dongwu yuan - Going to the Zoo; Women daodi qu nar lvxing - Where exactly are we going to travel to; Lu shang xinku le - Did you have a tiring trip; Huanying ni - You are welcome; Wei women de youyi ganbei - Let's have a toast to our friendship.

CHIN6063 – CHINESE LANGUAGE III (2 Credits)

Learning Outcomes: At the end of this course, students 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 IV (2 Credits)

Learning Outcomes: At the end of this course, the students 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.

CHIN6071 – READING III (2 Credits)

Learning Outcome: At the end of this course, the students should 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: At the end of this course, students ability 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: At the end of this course, students ability 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: Difference; Chinese Culture 1; Given name in Chinese; Changes a job; Quiz; Chinese Culture 2; Evaluation; 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?; Please come with me; Review.

CHIN6074 – READING IV (2 Credits)

Learning Outcomes: At the end of this course, students ability 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: The Chinese ethnic group; Let the "old" have safety place; The Casualty; The culture of China's tea and eating at China; Beijing's Hutong; China's Mountains; The Charm of Beijing Opera; RMB and Bank; The knowledge of diet; China's development.

CHIN7076 - BUSINESS NEGOTIATION (2 Credits)

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

Topics: Establishing relationship and entertaining guests; first contact; intention in buying and selling; holding talks about price; discussion about variety and quantity; discount and commission; modes of payment; delivery and shipment; packing; insurance; customs and commodity inspection; credit risks and its management; signing the contract; demanding payment of a debt; claim and arbitration; agency agreement

CHIN7077 - INTRODUCTION TO CHINESE BUSINESS (2 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Describe Chinese business, Discuss Chinese Business, Speak Chinese business

Topics: Chinese business philosophy, Chinese business principles, Chinese businessmanagement's method, Chinese business in the world, Chinese businessnetworking

CHIN8078 - MYTH, LEGEND, AND TRADITION OF CHINA (2 Credits)

Learning Outcomes: At the end of this course, the students 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.

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.

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 and 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.

Topics: Pronunciation and intonation; Making an inquiry; Negotiation; Numbering; Sentence stress.

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: Mastering the knowledge and skills of Chinese advanced with emphasis on aspects of speaking and writing are to be applicable in the context of tourism

Topic: Xingfu de Ganjue; Tigao ziji; Haoren Nandang; Baixing Huati; Shoushang Yihou; Zai Shi Yi Ci; Yi He Dangao; Wusheng de Lei; Qizhong kaoshi Fuda Lianxi; Shenme Zui Zhongyao; Du Gushi Xie Wenzhang; Muqin de Xin; Wangluo Xuexiao; Qingshang; Ni Xihuan Shenme Yanse; Shanbo yu Liang Zhu Yingtai; Qimo kaoshi Fuda Lianxi

CHIN6093 – LISTENING II (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 and Write the answer of the case on the recording.

Topics: Modal verb, complement, evaluation, ba and bei sentences, interrogative pronoun and rhetorical question, Chinese culture, Chinese custom, Chinese family habit and raise good habit.

CHIN6094 – READING CHINESE NEWSPAPER (2 Credits)

Learning Outcomes: By the end of this course, students 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; Customer Insight and Market Analysis; Business Model Environment; New trends in the development of food and beverage industry; TV dating show social responsibilities; Product and Service Development; Love and marriage inequality; Survey of Chinese Students Consumption; Prototyping Product; The Marriage of celebrity; Evaluation; Final review; Foreigners celebrate the Chinese New Year.

CHIN6095 – CHINESE LANGUAGE IN MARKETING COMMUNICATION (4 Credits)

Learning Outcomes: By the end of this course, students 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: By the end of this course, students 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: At the end of this course, the students will be able to : Identify the basic structures of Chinese phonetic, character, vocabulary, and grammar; Classify the Chinese phonetics, characters, vocabulary and grammar based on the Chinese language theories.; Apply the linguistic analysis methods in Chinese language.

Topics: Chinese phonetic; Chinese Characteristic; Vocabulary; Grammar.

CHIN8098 - CONTEMPORARY CHINA STUDIES (2 Credits)

Learning Outcomes: At the end of this course, the students 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 Capital Selecta of China After Reformation; Final Review.

CHIN6102 - INTERMEDIATE CHINESE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize the meaning of social communications delivered in Chinese; Perform social communications in Chinese; Compose simple dialogues in Chinese

Topics: Talking about social activities in Chinese; Express needs and plans in Chinese; Asking questions in Chinese; Express feelings in Chinese

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: Interpret expressions related to personal and daily life; Use simple vocabulary to exchange basic information about themselves and others; Identify specific information in short and easy materials with fixed structures

Topics: Asking Questions in Chinese; Asking Questions in Chinese; Making Phone Calls; Be a Guest Dining Out; Asking Questions in Chinese.

SUBJECT AREA: CIVL**CIVL6001 – INTRODUCTION TO CIVIL ENGINEERING (2 Credits)**

Learning Outcomes: By the end of this course, the 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: By the end of this course, the students will be able to: discuss and evaluate the cases that may occur in the field based on a variety of examples of cases and completion of the study, which will be used as consideration for future decision-making in the field; estimates consider various alternatives to be taken as a settlement in the case of construction projects

Topics: Introduction of the cases may be encountered on construction projects in general; High-rise building projects; infrastructure projects; Geotechnical project; Waterworks project; Project management; Review and evaluation of cases

CIVL6005 – THESIS (6 Credits)

Learning Outcomes: By the end of this course, the students 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, pumps and turbines).

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; 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 and 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: After finishing these courses, student is able to: calculate the geometric related to railway planning, vertical and horizontal alignment, curve radius, railway elevation and widening the railway; Calculate related to upper structure of railway, static load and dynamic load; Calculate related to lower structure of railway, ballast strength, sub grade strength and drainage; Obtain type of railway structure, component, function of each component and classifications; Explain about signaling, ties, railway scheduling and types of the station; Mention things related to the railway system, history and development of railway, advantages and weaknesses of railway transportation.

Topics: Introduction to Railway; Railway Geometric Design; Railway Upper Structure Design; Railway Lower Structure Design.

CIVL8038 – SOIL IMPROVEMENT METHOD (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain Geotechnical problems; Identify the proper ground improvement methods relating to geotechnical problems; Analyze the various ground improvement methods; Calculate the various ground improvement methods; Choose the appropriate and effective types of ground improvement methods.

Topics: Introduction (Geotechnical Problems); Soft Soil (Problems and Stabilization Methods); Slope Stabilization; Unique Soils (Basic principle and Improvement Methods); Case Studies of Ground Improvement.

CIVL6053 – STRUCTURAL ANALYSIS (4 Credits)

Learning Outcomes: At the end of this course, the student will be able to describe about indeterminate structure related to internal forces and equilibrium force system, determine the internal forces diagram and equilibrium forces system of indeterminate structure.

Topics: Introduction to indeterminate structure, Deflection of Indeterminate Structure, Analysis of Indeterminate Structure, Computer Application on Structural Analysis

CIVL6054 – TRAFFIC ENGINEERING (2 Credits)

Learning Outcomes: At the end of this course, the 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

CIVL8056 – BRIDGE ENGINEERING (2 Credits)

Learning Outcomes: At the end of this course, the 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

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; Explain the development in concrete technology

Topics: Introduction; Fine Aggregate; Coarse Aggregate; Water and Admixture; Cement; Concrete; Concrete Mix Design; Concrete Testing; Light Weight Concrete; High Strength Concrete; 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: Identify the material as well as basic theory of low-rise building construction; Explain the fundamentals of building structures; Apply construction drawing & its elements; Demonstrate an understanding Building Code and building controls process

Topics: Introduction & Buildings Structures; Building Code and Building Consents; Low-rise Foundation Systems; Elements of Building Construction: Foundation & interior elements (ceiling, floor, wall & furniture); Technical Drawing in a simple construction: Foundation & interior elements (ceiling, floor, wall & furniture); Building Construction

Elements: Split level, stairs, mezzanine; Drawing of Building Construction Elements : Split level, stairs, mezzanine; Details of simple construction : Split level, stairs, mezzanine; Drawing Project (Supporting Interior Design I : Residential)

CIVL6069 - MATERIAL KNOWLEDGE II (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Classify the characteristic of artificial building material; Describe artificial building material in interior and furniture; Apply the artificial material for interior and furniture projects

Topics: Knowledge of Building Material II - Introduction; Glass for Interior; History of Glass; Ceramic; Ceramic for Interior Design; Sanitair; Sanitair for Bathroom; Plastic for Interior and Furniture; Wall Paints; Wall Painting in 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: Explain the building performance in design context ; Apply potential challenges and building performance simulation; Analyze background building simulation and future building system.

Topics: Introduction to building performance simulation; The role of simulation in performance based building; Weather data for building in performance simulation; People in building performance simulation; Thermal load and energy performance prediction; Ventilation thermal quality performance prediction; Indoor thermal quality performance prediction; Room acoustics performance prediction; Daylight performance prediction; Moisture phenomena in whole building performance prediction; Building simulation for practical operational optimization; Integrated resource flow modelling of the urban built environment; A view on future building system modelling and simulation.

CIVL6072 - BUILDING CONSTRUCTION (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the origin of engineering and engineering drawings and paraphernalia to draw; Explain the kinds of image projection; Explain a variety of projection axis and draw a simple dwelling house; Explain the objects and pieces of the image guidance technique; Describe the notation of building materials in a design drawing, the components of the building in the form of wall, and the building components; Describe the components - construction of buildings and their components and the manufacture of simple buildings in accordance with the terms which have been studied.

Topics: Construction Material and Design; Introduction; Construction Material and Design 1; Construction Material and Design 2; Building Construction and Design

CIVL6073 - MECHANICS OF MATERIALS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Calculate the average normal and shear stress/strain; Calculate the stress-strain diagram for a specific material; Calculate the stress and strain due to torsion; Calculate the bending and shear stress in the beam; Calculate deflection and slope of the beam; Calculate the principle stress, maximum in plane shear stress and average normal stress

Topics: Stress and Strain; Mechanical Properties of Materials; Axial Load; Torsion; Bending; Transverse Shear; Stress 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; estimate 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 scheduling, Length trade off, resources scheduling, 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

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

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, describe method for earthwork project include excavation, describe method for deep and

shallow foundation project, explain construction method for reinforced concrete project, explain 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 the importance, characteristic, behavior and variability of earth materials, and their impact on civil engineering design; Utilize the major geological and geotechnical hazards and their potential impacts on the engineered environment; Identify the methods of site investigation, the characterize of rock, sands, clays and soil from a geotechnical perspective; Explain the principals and testing approaches used to control soil compaction; Identity decision making process required for basic geotechnical design; Identity the greater detail about weathering, erosion, sediment transport, sedimentation, volcanic activity on the civil engineered environment

Topics: Geological Principal; Mineral and Rock Identification; Geological Timescale and Method to Determine; Plate Tectonic Theory; Engineering Properties on Rock Material; FORMATION OF ROCKS; Engineering Properties on Rock Material; FORMATION OF SOIL DEPOSITS; Engineering Properties on Rock Material; Plate Tectonic Theory

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; Bearing Capacity of Soil; Shallow Foundation; Retaining Earth Structure; Deep Foundation

SUBJECT AREA: COMM**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

COMM6009 – INTRODUCTION TO POLITICAL SCIENCE (2 Credits)

Learning Outcomes: By the end of this course, students will be able to: Select and relate the role of political elements for development and application such as political parties, bureaucracy, and government in a political system; Develop the principles of political science; Describe the role of political aspects in national and international citizenship.

Topics: Politics as science; Country and nation; Power; Authority and legitimating; Democracy and election general; Political party; Trias Politica; Human Rights; Political behavior and participation; Government and government administration; Models of political system; Ideology; Politics and good for together.

COMM6012 - THEORY OF COMMUNICATION (4 Credits)

Learning Outcomes : On successful completion of this course, students will be able to: Identify the basic of communication theories; Report the application of theory in their everyday activities; Explain more systematic and thoughtful critical thinkers; Describe the principles and the central ideas of important theories in the communication discipline; Apply an overview and brief history of how the communication discipline is developing; Demonstrate the practical, engaging, and relevant ways in which theory operates in life.

Topics: Thinking About Communication: Definitions, Models, and Ethics; Thinking About Theory and Research.; Symbolic Interaction Theory; Coordinated Management of Meaning; Cognitive Dissonance Theory; Expectancy Violations Theory; Uncertainty Reduction Theory; Social Penetration Theory.; Social Exchange Theory; Cultural Studies; Cultivation Analysis; Uses and Gratifications Theory; Spiral of Silence Theory.

COMM6014 - THEORY OF MASS COMMUNICATION (4 Credits)

Learning Outcomes : After completion this course students will be able to Explain the mass communication theory and the effect of the rapid change for the media industries; Apply the application of mass communication in their everyday activities; Analyze the important role of audience, society, culture, and other forms of diversity in mass communication theory and media industries.

Topics: Understanding Mass Communication Theory; Four Eras of Mass Communication Theory; Media Industries And Mass Society Theory; The Age Of Propaganda; Normative Theories Of Mass Communication; Limited-Effects To Critical Cultural Theories (Part 1); Limited-Effects To Critical Cultural Theories (Part 2); Functionalism and Children; Critical and Cultural Theories of Mass Communication (part 1); Critical and Cultural Theories of Mass Communication (part 2); Audience Theory; Media and Society; Media and Culture Theories.

COMM6019 – PUBLIC OPINION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Manage the usage of public opinion in communication; Explain the specific character of public opinion; Analyse meaning, foundation, and definition of public opinion; Create the relationship between the data usage and public opinion in communication.

Topics: Introduction Expressing Opinion; Public opinion Process; Characteristic and Principle of Public Opinion; Censorship and Privacy; Agitation and Propaganda in public opinion; Public Relation as Managing Public Opinion; The Role of Public Relations in Forming Public Opinion; Public Opinion as Political Communication 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.

COMM6076 – INTERCULTURAL COMMUNICATION AND SERVICE EXCELLENCE (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand the importance of intercultural communication in today's global world; Recognize causes of intercultural conflict adapt to unfamiliar cultures and contribute to greater cooperation; Demonstrate knowledge of customer service techniques in dealing with the public

Topics: Why study Intercultural Communication?; Culture, communication, context and power; Intercultural communication processes; Nonverbal codes and cultural space; Popular culture and intercultural communication; Striving for engaged and effective intercultural communication; The customer service profession; Contributing to the service culture Skill for success; Building and Maintaning relationship; Service breakdowns and service recovery; Customer service in a diverse world; Customer service via technology; Encouraging customer loyalty

COMM6078 – RADIO AND TELEVISION SCRIPT WRITING* (4 Credits)

Learning Outcomes : At the end of this course student 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; Create and explain hardnews writing for radio and television; Create and explain softnews writing, both for radio and television; Create and explain drama and non-drama script for radio and television ; Create and explain a script for a non-news and advertising radio and television; Propose the potential showcase business project.

Topics : practice writing hardnews radio; practice writing radio: non news; Writing Radio; Non News 2; practice writing radio: non news 2; practice writing radio: advertising; practice writing softnews radio; practice writing tv: hardnews; practice writing tv: softnews; practice writing tv: drama; practice writing tv: non drama; practice writing tv: advertising; Importance Scripts for Radio and Television Program; character script for radio; Writing Radio; Hardnews & Customer Insight and Market Analysis; Writing Radio; Softnews & Business Environment; Writing Radio; Non News 1; Writing Radio; Advertising & Design Process; Characteristics Script Television; Characteristics Script Television 2 & Product / Service Development; Writing Television; Hardnews; Writing Television; softnews & Prototyping Product;

Writing Television; Drama; Writing Television; Non Drama & Evaluating Product/ Services; Writing Television; Advertising

COMM6079 – BROADCASTING IN INDUSTRIAL PRACTICE (8 Credits)

Learning Outcomes : At the end of this course student will be able ; demonstrate professional, ethical workplace behavior, Demonstrate proper workplace safety skills, Understand the basic structures and environment of a media organization from the inside, mastering the necessary equipment and skills to be a productive contributor, Will have enhanced interpersonal and teamwork skills as a result of experience, Will have improved networking skills and connections to industry

Topics : Intern Agreement, Meeting w/ Instructor, Submit Copy of Current Resume to Instructor, Scheduled hours at internship, Final Evaluation to be completed by supervisor, Updated copy of resume, with new role added., All Journal entries submitted as one document in binder.

COMM6080 – BROADCASTING IN PROFESIONAL PRACTICE II (8 Credits)

Learning Outcomes : At the end of this course student will be able ; demonstrate professional, ethical workplace behavior, Demonstrate proper workplace safety skills, Understand the basic structures and environment of a media organization from the inside, mastering the necessary equipment and skills to be a productive contributor, Will have enhanced interpersonal and teamwork skills as a result of experience, Will have improved networking skills and connections to industry

Topics : Intern Agreement, Meeting w/ Instructor, Submit Copy of Current Resume to Instructor, Scheduled hours at internship, Final Evaluation to be completed by supervisor, Updated copy of resume, with new role added., All Journal entries submitted as one document in binder.

COMM6081 – INTRODUCTION TO JOURNALISM AND BROADCASTING (2 Credits)

Learning Outcomes : At the end of this course student will be able to: Write news article in the print media; Explain the difference between the press and journalism as a field of activity in the mass media industry; Identify the activity or work to be done at every stage of making a story; Produce proposals feature, indepth reporting and investigative reporting, especially in television program; Explain the difference in making the news on television; Identify any norms and regulations pertaining to the field of press and journalism in the mass media.

Topics : Press and Journalism; Mass Media Organization: Print, Electronic and Internet; Practices of Journalists; How to Write News Stories; The Characteristics of TV Journalism; TV and Print News Writing Techniques; News Gathering; News Production; TV News Structure; Writing Compelling Lead; TV News Sources and Format; Norms and Regulation in Print, Electronic (TV) and Online Media; TV Production Process and Creating Effective Newscast

COMM8082 – MEDIA CONVERGENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: development of printed and convergence media which are used not only for disseminating information in general but also as a medium to convey the actual news. Student will also visit various news companies both printed media company and broadcasting company.

COMM6083 – BROADCASTING RULE & ETHICS (2 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: Describe the five sources of American Law. Summarize the process of a lawsuit. Analyze broadcast law precedents by writing case studies. (GE – critical thinking) Apply the First Amendment to legal and ethical broadcasting issues. Explain copyright, music licensing, and trademark laws. Defend or criticize Internet copyright issues based on Copyright law. Conclude whether a broadcast incurs libel. Define the defenses against a libel suit. Understand the ethical responsibilities of the broadcast industry. (GE – ethical behavior)

Topics : Introduction to the Legal System, Rationale of Regulation, Broadcasting and Journalism Code of Ethics, SP3SPS, Regulation of Electronic Media Content, Regulation and Commercial Practices, Defamation: Libel and the Media, Free Press/Fair Trial, The Internet and Developing Media

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

Learning Outcomes : By the end of this course, students will understand how these concepts have evolved throughout an ever-changing broadcasting landscape, and how they are best implemented today. Key concepts include the methods that are used to create and manage radio and television program schedules, as well as media management strategies. Additionally, there will be a strong emphasis on current topics in media, so that's students might see how programming and management strategies are implemented in practice

Topics : Definition of basic broadcasting management, Business in the broadcasting industry, Broadcast sales, Broadcast promotion and marketing, Broadcast programming, Broadcast production news 1, Broadcast production news 2, Broadcast production entertainment, Financial management, Human resources management, Broadcast regulations, Managing the public television, Managing the community television, Managing the cable television.

COMM6085 – INTERVIEW & REPORTAGE TECHNIQUE (2 Credits)

Learning Outcomes : At the end of this course students will be able to understand the basic as professional broadcast media environment that includes radio, television, and new media. Understand the basic interview for broadcast and reportage in live broadcast production.

Topics : Sources, Gathering Coverage, Interviewing Techniques, Writing to Visuals, Storytelling and Features Technique, Live Reporting, Terms Become a News Caster, Vocal Coaching for News Caster, Physical train for News Caster, Reading a good technique for News Caster, Ethics and Law

COMM6086 – RADIO AND TELEVISION EDITING (2 Credits)

Learning Outcomes : At the end of this course student will be able ; to appreciate editing as creative element for storytelling in motion pictures, To understand procedures, techniques, and standard practices in motion picture editing, To acquire practical knowledge and hands-on experience of motion picture editing and post production workflow

Topics : Introduction/Description of Course & System requirements, Principles of Video Editing, Setting Up for Editing, Non-Linear Editing (NLE), Concept, Working in the Timeline, Transitions, Keyframing, Applying Filters, Color Correction & Color Grading, Working on Audio, Final Review & Project

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 PRACTICE (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 Digital Journalism in Industry.

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

Learning Outcomes: By the end of this course, students will be able to understand about the global journalist work and rules, and determine the rules in writing global culture.

Topics: Universals in global journalism ethics; Differences in global journalism; the role of the journalist in reporting international conflicts; Global journalism networks; the role of global media; The Global Context; Global News Flow; Problems of global Journalism; Global Journalism Freedom; The Changing Nature of Foreign Correspondence; Globalization and International Journalism; History of International Journalism; Global media justice.

COMM6093 - DIGITAL JOURNALISM IN PROFESSIONAL PRACTICE (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 Digital Journalism in Industry.

COMM6095 - JOURNALISTIC RULE & ETHICS (2 Credits)

Learning Outcomes: By the end of this course, students will be able to: Considering the basic principles, values, obligations and liabilities towards the journalist on others; Determine for journalist how they will live, how they will

carry out their work as a journalist, how they would think about souls and about others, how it will behave and react to people and the issues surrounding it.

Topics: Why media ethics still matters; Media ethics in new democracy; Ethics of global disaster reporting; Affective expertise; Global media ethics; The Role of the Journalist; Codes of Ethics and Beyond; Ethics and the Law; Journalism Ethics Then and Now; Accuracy and Fairness; Privacy; Source/Reporter Relationship; Transparency.

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: provides in-depth coverage of interpersonal communication; blending theory, research, and practical skills. Not only provides the students with worthwhile options for a vast array of interpersonal situations, but also to overcome any other disciplines.

Topics: Foundations of Interpersonal Communication; Culture and Interpersonal Communication; Perception of The Self and Others in Interpersonal Communication; Listening in Interpersonal Communication; Verbal Messages; Non Verbal Messages; Emotional Messages; Conversational Messages; Interpersonal Relationship Stages, Theories, and Communication; Interpersonal Relationship Types (1); Interpersonal Relationship Types (2); Interpersonal Conflict and Conflict Management; Interpersonal Power and Influence.

COMM6099 - INTERCULTURAL COMMUNICATION (4 Credits)

Learning Outcomes: By the end of this course, students 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, and 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; Fundamentals 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.

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

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 OF CORPORATE PUBLIC RELATIONS (6 Credits)

Learning Outcomes : On successful completion of this Course, students will be able to: conduct communication research by applying qualitative and quantitative approach respectively, conduct research applying mixed method. Make conclusion from data analysis result; describe the process of quantitative and qualitative research; apply data collection technique; develop research design; demonstrate sampling technique; prepare research proposal and report.

Topics: Quantitative Research: determining problems, hypothesis, variable concepts, measurement tools, respondent, sampling, arranging data, data characteristics, validation testing, reliability coefficient, statistical hypothesis testing, attachment (tools, data and characteristics, validity, reliability, hypothesis testing, data analysis, conclusion and suggestion. (2) qualitative research: The background of problems, objective, methods in qualitative research, data analysis, writing report.

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

Learning Outcomes : On successful completion of this Course, students will be able to : Students areas to figure about Social dynamics, Social process, and culture and Social motives that are related to Communications contexts, so that The are able to scientifi cally solve the emerged problems within this kind of domain.

Topics: Basical definition of sociology, Social communication process, Social Communication motives, basical definition of anthropology, Cultural anthropology, culture of Communications, High culture-lowculture, Communications as the human culture.

COMM8107 – SOCIOLOGY OF COMMUNICATION (2 Credits)

Learning Outcomes : By the end of this course, students 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 : By the end of this course, students will be able to understand about the psychology of role in communication, psychology of concepts and its effects in Communications, and personal and group aspects in Communications, so that the student are able to scientifically solve the emerged problem within this kind of domain.

Topics : Basical definition of Communication psychology, the four interpersonal psychology conception, perception-memory-thinking, interpersonal Communication psychology, psychology of Group Communication, Mass Communications psychology, psychology of message and communicator.

COMM6109 – MARKETING PUBLIC RELATIONS WRITING (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 PowerPoint; 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 PRACTICE (8 Credits)

Learning Outcomes: By the end of this course, students will be able to: explain the concept of public relations marketing, define the differences between public relations and marketing, decide the target market.

Topics: MPR Definition, situation analyse, Publications; sponsorship; news; public service activity; speech; media identity; Introduce usage Internet in MPR; Leveraging the power of internet; Engaging Ethnic Audience; Regulations by government; Research in MPR in Practice.

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

Learning Outcomes: By the end of this course, students will be able to: Explain the use of internet as media for marketing PR; analyze how social media impact on marketing PR strategy; Analyze ethics in the internet and how it is changing news; and Design an online marketing PR strategy.

Topics: The geography of social media; people's use of the internet; channels for communication; transparency; richness and reach; how social media impact on strategy; landscaping; developing online marketing PR strategy; online marketing PR tactics; how the internet is changing news; Ethics in digital media; monitoring and measurement; PR and the internet

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: By the end of this course, students 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 to reach diverse audiences.

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

COMM6115 – MARKETING PUBLIC RELATIONS ETHICS (2 Credits)

Learning Outcomes: By the end of this course, students 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 RELATIONS MANAGEMENT AND MEDIA PLANNING IN MPR CONTEXT (2 Credits)

Learning Outcomes: By the end of this course, students 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; Create operational customer relationship management (CRM) and appropriate media to corporate activity.

Topics: Introduction to Customer Relationship Management in MPR Context; Planning and Implementing Customer Relationship Projects; Developing, Managing and Using Customer-Related Databases; Creating Value for Customers; Managing The Customer Lifecycle: Customer Acquisition, Retention and Development; Managing Supplier, Partner, Investor and Employee Relationships; Information Technology for Customer Relationship Management; Organizational Issues and Customer Relationship Management; 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.

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 PUBLIC RELATIONS WRITING AND ADVERTORIAL IN A GLOBAL SECTOR (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the principles, and steps of public relations writing; Explain the important of any kind news in public relations; Differentiate of writing style in public relations fields; Compose public relations writing with ethic and codes; Compose public relations writing for some purposes; Deploy skills how to write in public relations fields.

Topics: Principles of Effective Writing; Preparing to Write; News and Public Relations; Keep to the Codes; Writing for Journalistic Media; Writing for Organizational Media; Public Relations Advertising; Newsletter and Corporate Report; Social Media: The X Factor for Public Relations; Speech Writing; Writing for the Web; Annual Report Times; Writing in Turbulent Times.

COMM6119 – COMMUNICATIONS IN CRISIS

Learning Outcomes: At the end of this course, students will be able to: Explain What is Communication During A Crises; Propose the potential showcased business project; Explain situations that are potential to crisis and the types of crisis; Analyze crisis using crisis communication planning.

Topics: No Thrillers, but reality; Proactive Crisis Communication Planning; Image as a Part of Corporate Strategy Calamities and Customer Insight and Market Analysis; Business Model Environment; Product and Service Development; Prototyping Product; Environmental Crisis; Organizational Barriers to Crisis and Public Affairs Management; Crisis Communication and the Net; Negative Press and Design Process; Evaluate Product/ Services Prototype; Final review.

COMM6120 – CORPORATE PUBLIC RELATIONS IN INDUSTRIAL PRACTICE (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 public relations strategies in communicating with its public, both internally and externally, in composing public relations writing, 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.

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: Build a strategic corporate communication; Build effective media campaigns; Formulate a powerful and effective message ethically; Choose the appropriate media.

Topics: Defining Corporate Communication; Stakeholder Management and Communication; Corporate Identity, Branding and Corporate Reputation; Communication Strategy; Strategic Planning and Campaign Management; Research and Measurement; Media Relations; Employee Communication; Issues Management; Crisis Communication; Leadership and Change Communication; CSR and Community Relations; Social Media and Corporate Communication.

COMM6122 – CORPORATE PUBLIC RELATIONS IN PROFESSIONAL PRACTICE (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: Construct their own concepts of media relations; Debating the determinant factors that influence media content; Designing various patterns of media relations programs; Recommend several media relations activities in responding negative issues from media content.

Topics: Basic concept of media relations; Media organization: Structure and function of media relations; Patterns of media relations; Individual media workers; The journalist-source relationship; Advertiser and audience; Ideological values in media; Media routine; News as entertainment; Content analysis; Forming effective relationship with journalist; Building a successful media relation programs; Case study in media relation.

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

Learning Outcomes : At the end 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: Build strategic, smart and ethical political campaign; Connect public relations program and political campaign; Build strategic public relations programs to communicate organizational culture.

Topics: Positioning Organizational Culture; Unpacking Organizational Culture; The Leadership Role in Building, Embedding and Evolving Culture; Developing, Managing and Changing Organizational Culture; How Leaders Can Manage Culture Change; Campaign for Political Marketing.

COMM6126 – CURRENT ISSUES IN BUSINESS COMMUNICATION (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 : At the end of this course students 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

COMM6128 - BUSINESS COMMUNICATION (2 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

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 : After completion 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 : By the end of this course, students will be able to familiarize a wide variety of models and skills including designing competitive programming strategies and schedules for radio, television, and cable television stations, provide insight into such vital areas as regulation, and program criticism, provide you an understanding of program development and the economics of broadcasting.

Topics : Basic media industry dynamics, Basic media programming concepts, Television programming: network, cable, global, Programming for music and non-music radio formats. Pandora, podcasting, and satellites. The legacy and future of radio, The rise of online content, Scheduling and genre. Challenges for local stations. Network-affiliate relationships, Media and politics intertwined, Corporate giants and the media elite; Economies of scale. Monopolies and competition, Influence of business on content. Censorship, advertising, and choice, Looking to the future. Directions in media policy

COMM6132 – NEWS PRODUCTION IN INDUSTRY (2 Credits)

Learning Outcomes : At the end of this course student will be able ; to practice the major theories of broadcast journalism, To learn and practice the basics of television news producing techniques; newscast design, writing, and management techniques; To explore possible careers in broadcast journalism; To produce an actual newscast

Topics : Introduction to Working in the Electronic News Media, Writing the News Story/Hard vs. Soft News, News Selection/ Local radio newscast evaluation, Interviews and Soundbites/Radio soundbite story , Producing the Radio Newscast, Legal & Ethical Considerations for Electronic Media News, TV News and Script Formats/Local TV, Live TV report/interview, TV Newscast Production, TV Newscast Production2, TV Newscast Production3, TV Newscast Critiques

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 develop ideas, researching subjects, finding and using the "best" sources, analyzing ideas and broadcast magazine stories

Topics : Introduction to Radio & TV Program, Radio and Television News Programs, Air Magazine & Sequence, Brainstorming the Broadcast Writings and Productions Mechanics, Interview & Reportage Radio & TV, Features & Documentary, Features Programs Radio & TV Talk Show, Evaluating Discussions Program, News Magazine Planning and Execution

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: By the end of this course, students 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: By the end of this course, students will be able to:, identify appropriate communication develop the industry communication; create the communication strategy; demonstrate effective communication in Industry.

Topics: The goals of Communication; Making sure the audience receives the message; Making sure the audience pay attention to message; Making sure the message is understood; Making message credible; Making message memorable; Making sure the audience acts on the message; Persuasive and Ethical Communication, Speech, Presentation product knowledge; Online communications; Awareness raising; Audience analyze; Situation analyze

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: Gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; Apply the related Writing Skills teori to solve real Writing Skills in Industry : Manage scare resources to get work done.

COMM6144 - APPLIED DIGITAL MEDIA IN INDUSTRY (2 credits)

Learning Outcomes: After successfully completing this course, the students will be competent to understand the concept of digital media especially in industry field; Define the quality and content in digital media; understands the digital revolution, online networks and web commerce; manages the media distribution.

Topics: Digital revolution; Multimedia; Online Networks; Web Commerce; Media Distribution; Quality and Content; Digital Media Business.

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: By the end of this course, students will be able to: Explain the concept of brand equity and brand positioning; analyze strategies to build brand equity; design PR programs to support brand equity; Measuring surces and outcomes of Brand Equity.

Topics: Brand management; market segment; Customer-Based brand equity and brand positioning; brand resonance and brand value chain; brand elements; IMC to build brand equity; Leveraging Secondary Brand Associations to Build Brand Equity; Developing a Brand Measurement and Management System; measuring sources

of Brand Equity: capturing Customer Mind-Set; Measuring outcomes of Brand Equity: Capturing Market performance; new products and brand extensions; Designing and implementing Brand Architecture Strategies; managing brands over time; Managing Brand Over Geographic Boundaries and Market Segments

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.

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

Learning Outcomes: By the end of this course, students will be able to: Manage the usage of Integrated Marketing Communication; Usage the concept of Integrated Marketing Communication; Analyze the meaning, position, and the Role of IMC in Marketing Communication; Create the relationship between the ideas and the tools of IMC

Topics: The nature of IMC process; Introduction of IMC and consumer Behavior; Key Consumer Behavior in MPR Context; Interactive Marketing communication; The role of IMC; Strategic Planning of IMC; Using Social Media in IMC program; Matching the audience with the media; Environmental relations; Case study in IMC and Consumer Behavior in MPR Context; Ethics and the Law; monitoring of IMC program; Evaluation of IMC program.

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

Learning Outcomes: By the end of this course, students will be able to: define the important of advertising and branding in public relations, explain and the ideal marketing strategy for public relations area; Analyze advertising and Branding for Marketing Public Relations case studies; to create advertising and Branding for Marketing Public Relations.

Topics: Introduction Advertising and Branding; Understanding Public Relations High-tech Branding; Public Relations Advertising; Reputation Management; What strongest Brands; Branding challenges and opportunities; Growing and sustaining Brand.

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.

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

COMM6157 - INTRODUCTION TO PUBLIC RELATIONS (2 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: Explain Public Relations Role in Communications and Media; Explain The Function of Public Relations in Management; Explain The Development of Public Relations in Indonesia and Digital Media Utilization; Evaluate The ability to analyze the company's critical problem and to solve and Public Relations problem.

Topics: Introduction to Public Relations; Understanding Public Relations Industry; Public Relations Activity; Public Relations as Unit of Work; The Job of Public Relations Practitioner; Criteria of Public Relations in Indonesia; Public Relations and Marketing Communication; Public Relations Ethics and Professionalism; Public Relations and Company's Brand equity; Public Relations and Media Relation; Public Relations and Public Opinion; Public Relations and Industrial Relations to Government; Public Relations Management and Workforce.

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 (4 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

SUBJECT AREA: COMP

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 usefulness range; Explain the basic theories of computer software

for structural analysis; Use the software in structural engineering in accordance with the requirements; Solve structural problems using sophisticated software.

Topics: Computer Software in Structural Engineering; SAP2000 Computer Software; Case Study – Frame Structure; Etabs Computer Software; Case Study – Multi Storey Building; Midas Computer Software; Case Study – Truss Bridge.

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 APPLICATION IN CONSTRUCTION MANAGEMENT (2 Credits)

Learning Outcomes: After completing this course, the students are familiar with several software packages that are used in construction management and have practical experience in using those software packages.

Topics: Spreadsheet Application in Construction Management, Application of Stastical and Mathematical Software in Construction Management, Application of Operations Research Software in Construction Management, Software Application for Supporting Project Construction Activities.

COMP6047 – ALGORITHM AND PROGRAMMING (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain kind of algorithms in problem solving; Apply 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: Algorithm & Programming and Introduction to C Programming; Formatted Input / Output; Operator, Operand, and Arithmetic (L); Algorithm & Programming; Introduction to C Programming I; Program Control: Selection (L); Introduction to C Programming II and Formatted Input / Output; Operator, Operand, and Arithmetic (T); Program Control: Repetition (L); Program Control: Selection (T); Program Control: Repetition (T); Pointers and Arrays (L); Pointers and Arrays (T); Material Review I (T); Material Review I (L); Quiz I; Quiz I Review; Function and Recursion (L); Structures and Union and Memory Allocation; Function and Recursion (T); Structures & Union; Memory Allocation; File Processing (L); File Processing (T); Sorting and Searching; Sorting; Searching; Material Review 2.1 (L); Material Review 2 (T); Material Review 2.2 (L); Quiz II; Quiz II Review

COMP6048 – DATA STRUCTURES (4/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of data structure and its usage in application; Apply data structure in application; Illustrate the usage of data structure in application.

Topics: Pointer, Array and Introduction to Data Structure (L); Introduction to Linked List (L); Linked List Implementation I (L); Pointer & Array (T); Introduction to Data Structure (T); Linked List Implementation II (L); Linked

List I (T); Linked List II (T); Introduction to Tree, Binary Tree and Expression Tree (L); Stack and Implementation (T); Queue and Implementation (T); Tree and Binary Tree (T); Introduction to Binary Search Tree and Threaded Binary Tree (T); Binary Search Tree (L); Material Review 1.1 (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; 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; Algorithms and complexity functions; Complexity of algorithms analysis; Stack and queue; Tree and binary tree; Priority queue and heap; Graph; Divide and conquer; Greedy methods; Dynamic Programming: Fibonacci Sequence Problem; Dynamic Programming: Coin Change Problem; Dynamic Programming: Multistage Graph; Dynamic Programming: Travelling Salesman Problem; 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

COMP6050 – 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

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; Selection and Repetition Control Structure, Pseudocode Algorithms Using Sequence, Selection and Repetition (L); Program Design and Pseudocode; Developing an Algorithm; Array Processing, 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 (T); Communication between modules, cohesion and coupling (T); Review Simple Structured Program Design; Introduction to Object Oriented (L); Introduction to Object Oriented (T); Quiz & Review I; Use Case; Activity Diagram; Class Relationship and Class Diagram; Identifying Functionality : CRC Cards and State Diagrams; Use Case and Activity Diagram; Class Diagram and State Diagram; Interaction Diagram (L); Implementation Diagram (L); Interaction Diagram (T); Implementation Diagram & Quiz; Review of Object Oriented Development.

COMP6057 – SOFTWARE ENGINEERING (4 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the concepts of software process models; Explain the software engineering practices; Demonstrate the quality assurances and software configuration management; Analyze the software metrics and the project management concept

Topics: Software and Software Engineering; Process Models; Agile Development; Principles that Guide Practice; Understanding Requirements; Requirements Modeling : Scenarios, Information, and Analysis Classes; Requirements Modeling : Flow, Behavior, Patterns, and WebApps; Design Concepts; Architecture and Component Level Design; User Interface Design; Pattern-Based Design; WebApp Design; Quality Concepts and Review Technique; Software Quality Assurance and Software Testing Strategies; Testing Conventional Applications; Testing Object-Oriented Applications; Testing Web Applications; Formal Modeling and Verification; Software Configuration Management; Product Metrics; Project Management Concepts; Process and Project Metrics; Estimation for Software Projects; Project Scheduling; Risk Management; Maintenance and Reengineering

COMP6060 – PROGRAMMING LANGUAGE CONCEPTS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain concept of imperative programming; Explain different types of programming languages; Explain concept of functional and logic programming characteristics.

Topics: Introduction; Describing Syntax 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; 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 AI is and identify the concept of intelligent agent; Explain and apply various intelligent search methods that an agent can use to solve problems; Describe knowledge representation and explain how to use this knowledge for reasoning purposes; Demonstrate how to achieve a goal through a sequence of actions called planning; Apply various techniques to an agent when acting under uncertainty; Apply how to process natural language and other perceptual signs in order for an agent to interact intelligently with the world

Topics: Introduction to Artificial Intelligence; Intelligent Agents; Solving Problems by Searching; Informed Search and Exploration; Constraint Satisfaction Problems; Adversarial Search; Logical Agents; First Order Logic; Inference in First Order Logic; Knowledge Representation; Planning; Planning and Acting in the Real World; Uncertainty; Probabilistic Reasoning; Probabilistic Reasoning Over Time; Making Simple Decisions; Making Complex Decisions; Learning from Observations; Knowledge in Learning; Statistical Learning Methods; Reinforcement Learning; Communication; Probabilistic Language Processing; Perception; Robotics; Philosophical Foundation.

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

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.

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 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: Artificial Intelligence; Searching: Uninformed Search; Searching: Informed Search I; Searching: Informed Search II; Adversarial Search & Constraint Satisfaction Problems; Logical Agents; First-Order Logic; Inference in First-Order Logic; 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 I; Robotics II.

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

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

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

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.

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 Object Oriented; Thinking Object and Classes; Array and Java Collection; Inheritance and Polymorphism; Abstract Classes and Interface; Exception Handling; Introduction to Java Graphical User Interface; Event Driven Programming; Java Graphical User Interface Component; Container and Layout Manager Component; Menu, Toolbar, and Dialog Component; 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: Introduction to Software Engineering (L); Process Models and Agile Development (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 (T); Quality Concepts and Review Techniques (L); Software Quality Assurance and Testing Strategies (L); New Product / Service Development (T); Software Quality Assurance and Software Testing Strategies (T); Testing Conventional and Object-Oriented Applications (L); Prototyping Products or Services (L); Formal Modeling and Software Configuration Management (L); Software Testing and Software Configuration Management (T); Software Project Management and Software Metrics (T); Project Management and Software Metrics (L); Estimation for Software Projects and Project Scheduling (L); Risk Management , Maintenance and Reengineering (L); Estimation and Software Projects Scedulling (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

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.

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; Evaluate of result of analyze and synthesis (construct) of LO 4 and LO 5.

Topics: Computer Graphics System; Graphics Architectures; Graphics Programming I; Viewing in Graphics Programming; Clipping and Polygon Rasterization; Geometrics Transformation 2D; Geometrics Transformation 3D; Viewing in 3D; Interactive Computer Graphics Programming II with OpenGL, GLUT, and GLUI; Achromatic and Chromatic Illumination or Lighting; Lighting and Shading; Texture Mapping in OpenGL; 3D Object Modeling with Hermite, Bezier and B-Spline Algorithm.

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: Understand basic concepts of object oriented software engineering; Student can utilize knowledge documentation for object oriented software engineering using UML; Student can solving problems and propose alternative solutions using object oriented software engineering approach; Student can use object oriented method on collaboration team software development.

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; Inspecting to Ensure High Quality; Choosing Technology; Reusable Design Patterns; Getting Started with IBM Rational Software Architect; Modeling Structured Template Diagram; Creating UML Diagram; Structural Diagram; Behavioral Diagram; Team Development; Pattern; Traceability; Model Analysis; Summary; Discussion Project.

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 (Frequency 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; Explain different variety of mathematical or computational models in neural network; Apply neural network algorithm in various cases.

Topics: Introduction to Neural Network; Neural Network Architecture; Neural Network Learning Concept; Perceptron; Backpropagation; Bidirectional Associative Memory (BAM); Hopfield Net; Self-Organizing Network Model (SOM).

COMP6119 – DATABASE ADMINISTRATION (2/2 credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Use database security in Microsoft Office Access DBMS and Oracle DBMS; Create transaction management; Use query processing; Create distributed DBMSs; Create Replication; Design Business Intelligence.

Topics: Security; Transaction Management; Query Processing; Distributed DBMSs – Concept and Design; Distributed DBMSs – Advanced Concepts; Replication and Mobile Databases; OLAP; Data Mining.

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 : This course consists in overview of server operating system. The students taking this course will have knowledge of server operating systems use in production system environment.

Topics : Introduction, Managing Windows Server Storage, Administrating Services, Active Directory Infrastructure, Configuring Active Directory, Application Servers, Internet Information Service, Linux Basic, Linux Desktop, Networking, Linux Administration, Security, Linux Server

COMP6122 - FRAMEWORK LAYERING ARCHITECTURE (2/2 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand coding layering technique; Applied reusable framework layering architecture.

Topics: Introduction to MVC Frameworks (ASP.NET AND PHP); Controllers; View; Models; Form and HTML Helper; Data Annotation and Validation; Securing Application; Ajax; Routing; Nugget; Dependency Injection; Unit Testing; Extending MVC; Introduction to MVC Frameworks (ASP.NET AND PHP); Controllers; View; Models; Form and HTML Helper; Data Annotation and Validation; Securing Application; Ajax; Routing; Unit Testing; Extending MVC; Project.

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: Business models; IT impact analysis; IT infrastructure; IT service; IT governance; IT leadership; Research in managing corporate information system.

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.

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

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.

COMP7139 – GAME PROGRAMMING (4 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Apply game design using at least one high level programming language; Build a computer game.

Topics: Introduction to 2D Graphics; Transformation; Image Manipulation; Sprite Animation; Mouse and Keyboard Input; User Interface; Creating Game World; Creating Game Character; Collision Detection; Simple Bot Behavior; Gameplay; Sound; Multiplayer Game.

COMP6140 – DATA MINING (2/2 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand principles, methods and applications of data mining; Design data mining; Build application that implement data mining

Topics : Data Warehousing and Introduction to Data Mining; Decision-Tree based Classifiers; Association-Rule Mining; Information Extraction using Neural Network; Clustering; Statistical Methods; Application and Other Data Mining Methods; Challenges in Data Mining

COMP7142 - POPULAR NETWORK TECHNOLOGY (2/2 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand the networking implementation and integration; Develop network system; Design network system by using latest network technology.

Topics: Introduction; Switching & Virtual LAN; IP Routing, Bridging; Wireless; Network Management; QoS; Firewall; Network Threat and Mitigation; Tunnels; Mikrotik RouterOS.

COMP6144 - WEB PROGRAMMING (2/2 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Propose business plan and the showcased potential business project, design and evaluate business plan.

Topics: Web Application Customer Profiles; Who are Our Next 10 Customers?; High Specifications in of Web Apps; Quantifying the Value Propositions in of Web Apps; Where is Your Positions? (Chart Competitive Position); Designing Business Model of Web Apps

COMP5146 – BUSINESS APPLICATION DEVELOPMENT (2/4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: LO1: 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

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; Compare different Operating Systems, namely LINUX, UNIX and WINDOWS

Topics: Operating System Overview and the UNIX File system; Process; Multiprocessor and embedded system; Threads; Scheduling; Concurrency; Deadlock; File Management; Input / Output Management; Memory Management; Virtual Memory; Security; Case Study

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.

COMP6155 - INDUSTRY EXPERIENCE I (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.

COMP6331 - EES IN INDUSTRY I (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.

COMP6157 - IT PRACTICE IN INDUSTRY I (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.

COMP6158 - INDUSTRY EXPERIENCE (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.

COMP6159 - EES IN INDUSTRY (4 Credits)

Learning Outcomes : On successful completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics : Team work; problem solving; interpersonal skill.

COMP6160 - IT PRACTICE IN 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.

COMP6161 - INDUSTRY EXPERIENCE II (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.

COMP6162 - EES IN INDUSTRY II (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.

COMP6163 - IT PRACTICE IN INDUSTRY II (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.

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

COMP6165 - JAPANESE COMPUTER (NIHON NO KOMPYUTA) (2 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Operate orders, menu bar, toolbar, and the functions of the standard Japanese language in Microsoft Office (Word, Excel, PowerPoint, and Publisher) Japanese OS.

Topics: Windows OS in Japanese; Write a Japanese Document; Setting up Document Display; Make Table; Spreadsheet Data and Formula; Advanced Excell Formula and Function; Creating Graph; Creating Creative Presentation; Animation in Presentation; Controlling Presentation; Microsoft Publisher; Create booklet Using Publisher; Creating 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: Installing and configuring penetration tester software; Explain and apply penetration testing methodology;

Topics: Information Gathering; Vulnerability Assessment; Perform Attacking; Exploiting Vulnerabilities; Escalating Privileges; Maintaining Access; Covering Track & Evidence; Password Attacks; Wireless Attacks;

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;

COMP6186 - EES IN INDUSTRY I (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.

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 INDUSTRY 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 subject the students will 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.

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

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

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: Artificial Intelligence; Searching: Uninformed Search; Searching: Informed Search I; Searching: Informed Search II; Adversarial Search & Constraint Satisfaction Problems; Logical Agents; First-Order Logic; Inference in First-Order Logic; 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 I; Robotics II

COMP6228 - 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; Apply various techniques to an agent when acting under certainty; Demonstrate how to achieve a goal and process the perceptual sign in order to interact with the world; Construct a program using simple AI

Topics: Artificial Intelligence; Introduction AI in Game; Game AI; Game Theory; Searching: Uninformed Search; Searching: Informed Search I; Searching: Informed Search II; Tactical and Strategic AO; Adversarial Search & Constraint Satisfaction; Logical Agents; First Order Logic; Inference in First Order Logic; Quantifying Uncertainty; Probabilistic Reasoning; Probabilistic Reasoning over Time; Making Simple Decisions; Making Complex Decisions; Learning from examples I; Learning from examples II; Classical Planning; Planning and Acting in the Real World; Execution Management; Tools and Content Creation; Perception; Designing Game AI

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 project Explain 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 Engineering; 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 Techniques; 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: Assess the usability of interactive software; Explain and use guidelines, principles and theories about the user interface; Explain interaction styles and assess the user requirements; Design the user interfaces of interactive software; Evaluate the user interface design.

Topics: Usability of Interactive System; Guidelines, Principles and Theories; Managing Design Process; Interface Evaluation; Menu Selection, Form Fill-in, and Dialog Box; Correlations of User Needs and Interaction Style; Collaboration and Social Media Participation; Balancing Function and Fashion; User Documentation and Online Help; Information Search; Information Visualization.

COMP6232 - HUMAN AND COMPUTER INTERACTION (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Assess the usability of interactive software; Explain and use guidelines, principles and theories about the user interface; Explain interaction styles and assess the user requirements; Design the user interfaces of interactive software; Evaluate the user interface design.

Topics: Usability of Interactive System; Guidelines, Principles and Theories; Managing Design Process; Interface Evaluation; Menu Selection, Form Fill-in, and Dialog Box; Correlations of User Needs and Interaction Style; Collaboration and Social Media Participation; Balancing Function and Fashion; User Documentation and Online Help; Information Search; Information Visualization.

COMP6233 - WEBSITE DESIGN (2/2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to Analyze the concept of the World Wide Web; Design an attractive website; Create dynamic website in an attractive way; Apply the usage of multimedia so it can be viewed by the internet browser.

Topics: Introduction to Internet and Website Page; Introduction to HTML 5; Creating Your First HTML Page; Web Page Structural; Text Formatting; Hyperlink; Web Graphics Styling; Working with Canvas; Creating Forms; Cascading Style Sheets; Media and Interactivity; Web Storage; Publishing Web Pages.

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 Programming; Flow Chart, Pseudocode and Input Output 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: 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

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

SUBJECT AREA: CPEN**CPEN6028 – ACTUATORS AND SENSORS (2 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Explain how the sensors and actuators works and what is their applications; Choose appropriate sensors and actuators for a certain system application; Use mathematical model to describe the behaviors of sensors and actuators.

Topics: Introduction to Sensors and Actuators; Magnetic & Other Sensors; Linear Actuators; Latching Linear Actuators; Special Magnetic Devices; Rotary Actuators; Stepper Motors; Basic of DC Motors; Basic of AC Motors.

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 programs 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 NETWORK (4/1 credits)

Learning Outcomes: On successful completion this course, students will be able to: design, implement and develop enterprise network.

Topics: Introduction to data communication; Data transmission; Error Detection; Signal and Data; Modulation technique; Encoding technique; Network architecture; Layer Physical – WAN; Network access technique – Non Carrier Sense; Network access technique – Carrier Sense; Data Link – Function and Operation; Data Link – Ethernet; LAN network; WLAN network; Network Layer; IP Addressing; DHCP, ICMP, ARP, RARP; Routing Technique; Routing Protocol; Internetworking; DNS; Transport Layer; Application Layer; Network Management and Network Security.

CPEN6048 – COMPUTER NETWORK (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 CIRCUITS THEORY (2/1 Credits)

Learning Outcomes: By the end of this course, students will be able to: Describe various methods in analyzing electric circuits (DC and AC) that consist of passive component (resistor, inductor, capacitor) and various applications of those circuits; Calculate parameters (current, voltage, energy, frequency 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: By the end this course, the 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: At the end of this courses, student 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); 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 (0/4 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 (0/4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain LAN Switching and VLAN; Construct WLAN; Apply WAN and serial communication; Apply Network Security for routers and using ACL; Design IP Addressing services and Network Troubleshooting

Topics: Switched LAN Architecture; Basic Switch Concepts; Configuring Switch Security; VLAN; VTP; STP; STP Convergence; Inter-VLAN Routing; Basic Wireless Concepts; 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 (0/4 Credits)

Learning Outcomes: At the end of this course, students 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 privilege 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.

CPEN6101 - ADVANCED NETWORK PROGRAMMING (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe network programming for security; Apply network programming method for penetration testing; Analyze forensic with network programming

Topics: Network programming basic for hacking; Network raw socket and sniffing; Owning network with scapy, web hackery, extending burp proxy, github command and control; Common trojaning tasks on windows; Internet browser exploitation; Windows privilege escalation, automating offensive forensics

CPEN6102 - NETWORK SECURITY ADMINISTRATION (2/2 Credits)

Learning Outcome: On successful completion of this course, student will be able to: Describe to Network Security Monitoring; Apply network security monitoring concept in tools; Analyze network security monitoring report

Topics: Network security monitoring rationale, collecting network traffic; Network security monitoring rationale configuration, command line packet analysis, graphical packet analysis, NSM Console; Server-Side Compromise; Client-side compromise; Network security monitoring rationale in advanced,proxies and checksum

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 & Subnetting; Routing; Inter-networking; Network Protocols; Transport Layer; DNS; Application Layer; Security; Computer Network Introduction; Basic Subnetting; Advanced Subnetting; Routing Techniques; Access List; Quiz I; VLAN; Routing Techniques - Dynamic Routing; DHCP Server Concept & Wireless LAN; Internetworking; Review; Quiz II.

CPEN6109 – COMPUTER NETWORKS (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe basic structures of network; Explain basic concepts of network; Explain concepts of create network environment.

Topics: Introduction to Network; TCP/IP Model; Networking Media; Intranet & Extranet; IP Addressing; Classless & Subnetting; Routing; Inter-networking; Network Protocols; Transport Layer; DNS; Application Layer; Security; Computer Network Introduction; Basic Subnetting; Advanced Subnetting; Routing Techniques; Access List; Quiz I; VLAN; Routing Techniques - Dynamic Routing; DHCP Server Concept & Wireless LAN; Internetworking; Review; Quiz II.

CPEN6110 – FINAL PROJECT (6 Credits)

Learning Outcomes: Students are 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 of signals in electronic circuits and systems; apply the knowledge of Circuits and Signals to solve problems in engineering applications

Topics : Introduction to Circuits and Signals; Continuous-Time Signals &Systems; DC Circuits; AC Circuits; Sampling Theory; Discrete-Time Signals and Systems; Introduction to the Design of Discrete Filters; Applications of Continuous & Discrete-Time Signals and Systems

CPEN6124 - DIGITAL COMMUNICATION SYSTEMS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to : explain the general concepts of electronic communication systems concerning signals, impairments, bandwidth and data rates; explain the various modulation, multiplexing, multiple access techniques applicable in digital communications; explain the role of high frequency radio waves for in digital communication systems

Topics : Concepts of communication systems, signal theory, effect of noise on quality, the role of signal bandwidth; Carrier modulation techniques for digital signal; Transmission lines characteristics and media types; Multiplexing and multiple access for wireless and broadband digital communications;

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 : explain Cross Platform Application Development; build Cross Platform GUI Application; build Cross Platform Application to solved engineering problem.

Topics : Cross platform Application Development Overview; Qt Framework; Qt Widget; Network programming; Database application; Multithread programming

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 - INDUSTRIAL EXPERIENCE (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 PRACTICE IN INDUSTRIAL EXPERIENCE (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.

CPEN6147 - EES IN INDUSTRIAL EXPERIENCE (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

CPEN6133 - PROFESSIONAL EXPERIENCE (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 PRACTICE IN PROFESSIONAL EXPERIENCE (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 - EES IN PROFESSIONAL EXPERIENCE (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

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; Entrepreneurship; The Shooting Techniques; Interior and Exterior; Composition; Creative Techniques; Architectural Photo Session; Project Presentation; Business Development; Architectural Photography 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

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 green design; Explain the green design; Apply the green design to support the interior design project that friendly and save for the environment; Analyse and create a good green design to support the interior design project; Analyse the green design implementation to support the interior design project; Evaluate & present the green design implementation for the interior design project.

Topics: The Green Imperative; The Eco Design and Green Design (Introduction); The Eco Design & The Green Design: Object For Living; The Eco Design & The Green Design: Object For Working; The Eco Design & The Green Design: The Materials.

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

DSGN6098 – 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, Vocabulary of Color, Color System & PANTONE Colors, Psychological & Emotional Aspect of Color, Color Image, Light & Dark, Color Functions, Consumer's Color, Recoloring Packaging, Corporate Color.

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; 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 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: Intro Elements Visual; Elements Line; Elements Shape; Elements Texture; Structure Balance and Contrast; Structure Unity, Value, and colour

DSGN6104 – TYPOGRAPHY I (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe type classification; Explain typefaces characteristic; Express meaning with typefaces & type composition.

Topics: Introduction & Classification of Typo; Type Terminology & History of Typo 1; Type Terminology & History of Typo 2; Type Terminology 3; Type Terminology 4; Conveying Meaning with Type.

DSGN8106 – TYPOGRAPHY III (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the basic structure of typographic layout; Explain basic problems of typography and it's methodical solution; Solve out typographic solution based on methods; Improve common typographic solution

Topics: Defining Typographic Problems; Using Grid Along with Basic Design Principles; Typographic 'Rules': Legibility; Structuring Typographic Communication; Challenging Typographic 'Rules'

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; Basic Shapes and Pictogram; Self Visual Expression; Visual Sequence; Metaphor; 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 Cell Animation, Create Animation Productions, Choose Animation methods in Productions.

Topics: Introducing to Animation & Construction Drawing Basic, Key & Inbetween, Timing and Motion & Pose to Pose Action, Follow Through and Overlapping Action, Arcs, Squash, & Stretch, Anticipation & Secondary Action,

Staging & Exaggeration, Appeal & Personality, Walkcycle Basic, Walkcycle with Personality, Runcyle & Jumps with Personality, Acting & Reference, Production (Assistance).

DSGN6121 - COLOR THEORY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the color terms and color theories from the expert; Use colors as part of design elements; Explore psychological & emotional aspect of color; Create project according to the function and purpose of color

Topics: Color is Property of Light, Vocabulary of Color; Color Model & Color Systems; Human Element in Color Perception; Color & Value; Color Functions; Color Relationship; Recolor Animation Movie Color Theme; Creating Short Animation Color Pallete

DSGN6122 - DESIGN AND MATERIALS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe design principles in a compositions; Apply design principles in the process of creating a design; Explore the visual element of the relationship with design principles; Create compositions that use structural design principles

Topics: Research and Concepts; Introduction to Visual Elements; Line; Shape; Pattern and Texture; Fundamentals of Composition; Balance; Unity; Value

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: Recognise 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), Advertising photography, Presentation of campaign advertising (final project).

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); 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; Perspective Views from Observed Reality; Human Proportion; Human figure

DSGN7139 – DRAWING II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the human figure drawing; Describe the human figure in gesture drawing; Use human figure drawing knowledge in animation application.

Topics: Proportion of the head; Step by step tutorial the head; Body overall measurement; Step by step tutorial the figure; Spatial Concept; Clothing; Animal.

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; Apply a good layout design from any kind of medias; Design an idea of layout style in accordance with target or trend

Topics: Introduction to Layout Design; Graphic Design Principles; Hierarchy in Layout; Developing the Grid System – Layout Structure; Gestalt in Graphic Design; Developing Concept to Visualization; Media Characteristics and the uses; 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; Car Modeling Progress; Material Application progress; Lighting Application progress; Rendering final product

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: Summarise key movements and ideas in the history of visual communication design; Adopt historic design frameworks into current practical contexts; Relate key ideas from different historical time frames

Topics: Prologue; The Origins; The Industrial Revolution; The Twentieth Century; The Contemporaries

DSGN6164 – DESIGN METHODS (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create scheme of visual communication design as the process of problem solving through research; Apply various creative methods of research strategic and concept design in case simulation; Identify visual communication design as problem solving (functions) which use visual; Process data of research results through creative thinking methods to produce a unique solution advertising and contextual targeting.

Topics: Visual communication design as a problem solving; Quantitative and qualitative research (theoretical understanding); Primary and secondary research (theoretical understanding and case application); Formative and summative research (thoretical understanding); Advertising method/process; Concept and strategic process; Formative research/divergent process; Summative research/convergent process; Visual execution approaches through research (analysis/reflection)

DSGN6165 – WESTERN ART REVIEW (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental knowledge and information; Identify western culture and civilization that become the background of art development; Illustrate basic knowledge of art development based on timeline review; Interpret the relation of western art between theoretical perspective with practical knowledge.

Topics: Stone Age; Mesopotamia; Aegean Art; Ancient Egypt; Ancient Greece; Roman Art; Christian Art; Renaissance and Mannerism; The 17th – 18th Century Art; The 19th Century Art; The 20th Century Art; Contemporary Art.

DSGN6166 – EASTERN ART REVIEW (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the mapping of the world development especially in Asia, Analyze the development of art in Asia and the concept behind the artwork, Relate belief system that can affects the work of art, Combine all knowledge from pre history to contemporary art works, Assess cultural and historical context in contemporary art and design.

Topics: Mapping the Eastern History, Early history of civilitation, The belief system in Asia, The advent of Islam, Art and Design.

DSGN6180 – DESIGN METHODS (3 Credits)

Learning Outcomes: After completing this course, the students 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 entertainment 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: At the end of this course student will be able to demonstrate the use of website, Understand the basic structures of journalistic website, mastering the management of the website as a result of experience, Will have improved networking skills and connections to industry.

Topics: Setting Up Blogging Base Camp, Understanding the WordPressorg Dashboard, Media Management: Images, Audio, and Video, Making the Most of WordPress Plugins, Making the Most of WordPress Plugins,

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

Learning Outcomes: At the end of this course student will be able to know the basic publishing in a website, the use of website as publishing tools, knowing how to make the website has high readability and grab attention of the audience.

Topics: Establishing Your Publishing Routine, Understanding Themes and Templates, Tweaking WordPress Themes, WordPress as a Content Management System, Hosting Multiple Sites with WordPress, Upgrading, Backing Up, and Migrating,

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; Composition; 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; 1 Point of View Perspective Drawing; 2 Point of View Perspective Drawing; 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; Recognize material character; Apply appropriate material and relevant design technique; Formulate a good furniture design.

Topics: Basic furniture knowledge; History of furniture design; Basic Joint; Material Knowledge; Basic drawing for Furniture; Furniture Studio.

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 function and aesthetic; Choose the right design element based on the design concept for the 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 from two-dimensional objects became three-dimensional objects; Modify by utilizing existing object; generate three-dimensional that can be used for a visualization and presentation

Topics: Getting Started with 3D Modeling; Working with 3D Coordinate; Viewing 3D Drawings; Controlling View; Creating Solid Primitives; Solid Modelling; Mesh Modelling; Variable Systems; Solid Editing; Boolean Operation; Modifying 3D Object; Rendering; Mapping Coordinate; Working with Through a Model; Printing/Plotting with 3D Model

DSGN6199 - INTERIOR DESIGN III: OFFICE (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the process of designing office; Apply the theory into design process; Analyze the design process and space programming; Construct the design concept based on the function and aesthetic; Choose the right design element based on the design concept for the design outcome

Topics: Basic Knowledge of Office Space; Data Collection & Analysis; Design Process & Programming; Technical Drawings; Presentation Drawings

DSGN6200 - COMPUTER 3D DRAWING FOR INTERIOR (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create 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 Anthropometrics; Using Anthropometric Data; Fundamentals of Seating; Ergonomic in the Home; Ergonomic in the Office.

DSGN6203 - LIGHTING DESIGN FOR COMMERCIAL & HOSPITALITY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze Analyze the characteristic, advantages and disadvantages of natural and various artificial light sources and lighting techniques; Explain Explain how size and watts are expressed in the various types of artificial light sources and compare various light technologies based on efficiency; Apply Apply knowledge of the colour rendering index, and the Kelvin ratings of the various types of lighting sources; Breakdown Select from the various lighting luminaries for a specific design goal, and explain and justify selection process; Build Create a lighting design based on the specific applications and constrain applying appropriate industry lighting standards and best practice.

Topics: Introduction to Lighting Design; Lighting Source and Type; Energy Issues: Solar System; Lighting Device and Controls; Properties of Natural and Artificial Lights; Lighting Concepts: Theoretical and Experiences; Lighting Design: Human Visual Perceptions; Visual Communications of Lighting Design; Lighting Design: Hotel, Restaurant & Café; Lighting Design: Hospital, Health & Sport; Lighting Design: Office & School; Lighting Design: Museum & Culture; Lighting Design: Theatre, Entertainment & Airport

DSGN6204 - INTERIOR DESIGN IV: COMMERCIAL AND HOSPITALITY PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe definition of hotel; Apply the theory of designing hotel; Analyze the collected data; Construct the design concept based on the space function and necessity; Analyze the right design element for the design outcome

Topics: Basic Principles of Hotel; Data Survey : Literature & User; Hotel Data Survey; Hotel Collected Data Survey Analysis; Hotel Collected Data Survey Analysis and Presentation; Space Programming and Space Analysis; Space Adjacency and Bubble Diagram; Design Concept; Zoning Study and Analysis; Grouping Study and Analysis; Lay out 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: Choose tools to create object and controlling view; Create simple object; Modifying to manipulation object; Customization component; Create calculate data component; Create simple walkthrough rendering (Material and lighting) and animation

Topics: User Interface; Design Bar; Viewing Tools; Creating a Walls; Curtain Walls; Creating Doors & Windows; Loading Family; Transformation Tools; Modifying Tools; Creating Columns; Model Graphics Style; Drafting Techniques; Creating Family; Controlling Visibility Graphics; Modelling Object; Create Host Sweep; Create Stairs & Railing; Creating Ramp; Creating Dimension; Collaboration with CAD and other; Walkthroughs; Rendering; Creating Legend; Creating Sheet.

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 settings; Integrate concepts theory and principles design application; Apply appropriate material and relevant display technique; Analyze data and create a window display design based on necessity and function; Examine to give recommendation on the right choice and decision in the planning visual merchandising.

Topics: Introduction to visual merchandising; Types of display; Fundamental concepts and principles design application on window display; What to use for displaying; Display techniques; Related area of visual merchandising; Point of purchase display; Planning project visual merchandising portfolio; Planning project window display (portfolio 1); Planning project window display (portfolio 2); Planning project Promotion and exhibition (portfolio 3); Planning project designing POP or KIOSK display (portfolio 4); 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 aesthetic value, cultural concept and characteristic in interior design of each period; Differentiate the characteristic and style of each period ; Apply the appropriate styles with the correct characteristic; Evaluate the characteristic and style of each period.

Topics: Introduction to interior design history; Understanding aesthetic value, cultural concept and characteristic in interior design; Aesthetic interior design and period style; Aesthetic factor and function in interior design.

DSGN6208 - INTERIOR FORECASTING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the design process in interior design industry; Apply interior project simulation; Propose document for interior project simulation.

Topics: Trends in interior; Requirement for interior design industry; Time schedule in design process; Document standard for interior design project; Interior Project Simulation.

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 WORKS 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

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.

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 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; Undertasing the material - Characteristics and Techniques (Wood & Rattan); Undertasing the material - Characteristics and Techniques (Metals); Undertasing the material - Characteristics and Techniques (Plastics); Undertasing the material - Characteristics and Techniques (Upholstersy); Material Combination; 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; Metals - Characters & Finishing Techniques; Polymers - Characters & Finishing Techniques; Soft Furnishing.

DSGN6220 - FURNITURE DESIGN IV: COMMERCIAL AND HOSPITALITY PROJECT (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define hotel furniture and accessories; Explain of hotel furniture and accessories; Collect data of hotel furniture and accessories; Design of hotel furniture and accessories

Topics: The design process basic principles of Hotel; The design process data survey : Literature & User; The Design process data : Survey hotel; The Design Hotel Collected Data Survey Analysis; A visual vocabulary Hotel Collected Data Survey Analysis Presentation; Design Development Space Programming & Space Analysis; Design Development : A visual vocabulary space and agency & Bubble diagram; Design Development : Directing the Design Concept; Implementation : Directing the design : Design Styling Zoning Study dan analysis; Implementation : Design Styling , Grouping study & Analysis; Design Drawing, lay out study & analysis; Design drawing; Making Presentation, section and elevation; Interior perspectives and models

DSGN6221 - COMPUTER 3D FURNITURE RENDERING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Choose tools to create object and controlling view; Create simple Object; Modifying to manipulation Object; Create Lighting and Material; Create simple animation (camera and motion tools); Create presentation with rendering (Material and lighting) and animation.

Topics: User Interface & Transforming; Object Transforming Object & Assembling Project Files; Hierarchy & Modeling 3 Dimension; Extended Geometry & AEC Extended; AEC Extended & Modeling 2 Dimensi Object; Modifier Object; Modiefier Object & Compound Object; Create Camera View & Create Lighting; Attaching Materials; Attaching Materials & Camera Animation; Camera Animation; Animation.

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 Camera Usages; Basic Techniques of Photography; Outdoor Shooting Practice; Composition and Aesthetic Aspect ; 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: Explain the design process in furniture design industry; Apply furniture design project simulation; Propose document forfurniture project simulation.

Topics: Trends in furniture design; Market mapping; Export - Import regulation in furniture design industry; Document standard for furniture design industry; Furniture Design Project Simulation

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; Explain basic finishing technique; Apply finishing technique based on the character of material; Produce finishing sample; Experiment various finishing technique using safe technology

Topics: Basic Finishing; Project : Finishing Accessories; Basic Texturing Finishing; Project : Finishing Accessories II; Finishing Interior for Furniture and Accessories with Leather, Fabric, etc; Project : Finishing Accessories III; Basic for Other Material Finishing (rattan, bamboo, metal, rubber etc); Project : Combining; Finishing Materials; Combining finishing materials with wicker; Project : Wicker with Rattan and Bamboo

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

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; Create reference to print with standard techniques; Apply the basics of printing techniques; Combine the graphic reproduction methods on printing process; Propose the potential showcase business project.

Topics: Printmaking introduction; Relief printing; Relief printing methods; Relief Printing Technique; Customer Insight and Market Analysis; Intaglio Printmaking 1; Intaglio Printmaking 2; Business Environment; Screen printing reference (manual); Screen printing reference (digital); Design Process; Screen printing emulsion exposure; Screen printing technique; Product/Service Development; Multicolor screen printing; Offset printing; Prototyping Product; Final artwork for offset printing; Evaluating Product/Services

DSGN6242 - COPY WRITING (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the role of copywriting in advertising; generate idea through creative thinking in copywriting; Create ads through creative copywriting

Topics: Introduction to Advertising; Are You a Copywriter?; Effective Copywriting; The Art of Copywriting; The Idea of Copywriting; Wording Strategy; Copywriting in Advertising

DSGN6243 - DIGITAL ADVERTISING (3 Credits)

Learning Outcomes : Students will understand the dynamic of digital interaction landscape; 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 : Digital advertising campaign; Digital interactivity in advertising; Variations of digital tools; Internet based research; Creative and interactive platform; Creative concept and strategic in digital landscape; Creative media integration in digital advertising; Building integrated digital campaign; Control, reflect and refine digital campaign.

DSGN6244 - GUEST LECTURER (3 Credits)

Learning Outcomes : Students will understand the dynamic of digital interaction landscape; 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 Guest Lecturing 01 (Account Director or Strategic Planner) 'AGENCY & CLIENT SIDE'; External Guest Lecturing 02 (Account Director or Strategic Planner) 'ADVERTISING BRIEF'; External Guest Lecturing 03 (Creative Director or Art Director) 'DEFINE INSIGHT TO BUILD THE IDEA'; Internal Guest Lecturing 01 'ADVERTISING CAMPAIGN'; External Guest Lecturing 04 (Creative Director or Art Director) 'DEFINE INSIGHT TO BUILD THE IDEA'; External Guest Lecturing 05 (Senior Art Director) 'ART DIRECTOR & ART DIRECTING'; External Guest Lecturing 06 (Senior Copywriting) 'COPYWRITING & BRAND STORY TELLING'; Student desk research by literature & internet; Internal Guest Lecturing 02 'BRAND IN ADVERTISING'; External Guest Lecturing 07 (Creative Digital) 'DIGITAL ADVERTISING & ACTIVATION'; Internal Guest Lecturing 'Binus Career'; Internal Guest Lecturing 03 'ADVERTISING & CREATIVE COMMUNICATION INDUSTRY OF THE FUTURE'

DSGN6245 - INDUSTRY BASED INTERNSHIP (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

DSGN6246 - GENERATE IDEA & PROJECT IN 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

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

DSGN6381 - EES IN 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 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

DSGN6249 - INDUSTRY BASED INTERNSHIP EXTENDED (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

DSGN6250 – GENERATE IDEA & PROJECT IN INDUSTRY EXTENDED (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

DSGN6252 - EES IN INDUSTRY EXTENDED (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

DSGN6253 - PRODUCTION AND POST 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

DSGN6254 – PRODUCTION AND POST EXPERIENCE (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

DSGN6382 - EES IN PRODUCTION AND POST 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

DSGN6257 - PRE AND PRODUCTION IN INDUSTRY (8 Credits)

Learning Outcomes:. On successful completion of this course, student will be able to: increase their skill and experience in real animation project; create innovative and original animation works in order to get Intellectual Property Right assets as design mediation in final project.

Topics: Intellectual Property Right (IPR),Creative Idea,Business model Planning

DSGN6258 – PRE AND PRODUCTION EXPERIENCE (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

DSGN6260 - EES IN PRE 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

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; 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

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

DSGN7267 - GRAPHIC REPRODUCTION METHODS I (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; Propose the showcased potential business project;

Topics: History and scope of the process of printing; Customer Insight and Market Analysis; Relief print method classification; Business Environment; Relief print techniques; Printed edition; Product/Service Development; Relief print technique types; Relief print media exploration techniques; Engraving technique principles; Prototyping Product; Work in print media process; Design Process; Introduction Processes of Screen Printing; Evaluation Products/Services; Screen printing technique to print

DSGN7269 - GRAPHIC REPRODUCTION METHODS II (3 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Explain the principles of printing technology and create various works of printing technology.

Topics: The principles of printing technology; Lithography; Serigraphy; Reproduction; Screen printing; Negative film process; Pre press production.

DSGN6270 - PROJECT ON NGO (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

DSGN6271 - CREATIVE PROCESS IN GRAPHIC DESIGN I (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 product, brand, consumer and promotion; Analyze market knowledge into the advertising campaign development; Demonstrate team work and collaboration capability as 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

DSGN6383 - EES IN INDUSTRY I (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

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

DSGN6275 - CREATIVE PROCESS IN GRAPHIC DESIGN II (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

DSGN6277 - EES INDUSTRY II (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)

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: By the end of this course, students will be able to: Select and relate the variety of context and human concern about new way communication to be applied in media; Develop the principles of media communication science; Describe the technique of communication to engage with creative media.

Topics: Introduction to creative media; Media communication; Media Innovations; New Media; Creative media development; Creative media for Industry; Media in society; Communication technology; Persuasive communication; Creative communications; Environments and creativity; Society characteristic; Social change.

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

DSGN7284 - VISUAL COMMUNICATION DESIGN III (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: create innovative and original animation work in based on Intellectual Property Right standard.

Topics: Introduction to 3D production Pipeline; Technical Setup; Production Management

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.

DSGN7286 - VISUAL COMMUNICATION DESIGN III (6 Credits)

Learning Outcomes: By the end of the course, students will Describe brand or product, audience and advertising; Choose media to create Integrated Marketing Communication; Apply to create an Integrated Marketing Communication

Topics: Understand Brand and Product; Market situation Toward Brand; Understanding Consumer; Understanding Channel Toward Consumer; Designing campaign with 360° communication to reach the objective

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

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: Design package referring to the benefit of creativity and attention to solutions for community activities; Produce strategic and comprehensive packaging design; Connect the quality of creation process with the final result of packaging design; Identify the meaning and function of packaging design that have been studied; Explain the planning concept of making the packaging design that have been studied.

Topics: Introduction to the definition, benefits, and format of packaging design; Introduction to the concept of identity in packaging design; Role of Packaging Design in Marketing and Corporate Identity Formation; Creative thinking process in designing package; Definition and Role of Research in Packaging Design; Understanding and Implementing Strategies in Packaging Design; Definition and role of visualization in packaging design; Role of structural design in packaging design; Role of branding study in packaging design; The role of extension studies / Product & Brand Extension in the packaging design; The relationship between packaging design and Brand Experience; The role of creativity in making the strategy and concept of packaging design; Packaging design as a solution to the problem of contemporary society.

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

DSGN6333 - EES INDUSTRY (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)

DSGN7324 – COMPUTER GRAPHIC I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe kinds of vector imaging problems and techniques; Apply in vector imaging application to solving problems; Plan how to make the right vector imaging solution in the right techniques; Create a visual communication concept in order to make the final vector imaging.

Topics: Vector Introduction in Illustrator CS6; Basic Shapes in Illustrator CS6; Path in Illustrator CS6; Transformation in Illustrator CS6; Pattern & Brushes in Illustrator CS6; Layers in Illustrator CS6; Text in Illustrator CS6; Effect & Filter in Illustrator; Advanced Tools in Illustrator; Basic Tools in Indesign; Vector & Raster in Indesign CS6; Layout in Indesign CS6; ePublishing in Indesign CS6

DSGN7325 – COMPUTER GRAPHIC II (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe kinds of pixel imaging problems and techniques; Plan how to make the right pixel imaging solution in the right techniques; Apply in pixel imaging application in problems solving; Create a visual communication concept in order to make the final pixel imaging

Topics: Introduction in Adobe Photoshop CS6; Working with Selection and Layers; Enhancing, Correcting and Retouching Images; Working With Path and Channels; Masking in Adobe Photoshop CS6; Making Transformations; Brush in Adobe Photoshop CS6; Advanced Works; Applying Filters & Effects; Text Effects; Advanced Compositing; Final Artwork

DSGN7326 – ILLUSTRATION DESIGN (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: 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 combining traditional technique with digital media; Create illustration that communicate the message

Topics: Fundamentals of Illustration; Visual Metaphor I; Visual Metaphor II; Literal Representation I; Literal Representation II; Sequential Imagery

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 caricature 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 Analyzed; Modifying Letterforms to Achieve Distinctive Font Style; Legibility; Basic Typographic Layout; Exploring Typographic Layout

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.

SUBJECT AREA: ECON

ECON6005 – MICROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify themes of microeconomics and market; Explain producers, consumer and competitive markets; Differentiate structure conduct and performance market; Calculate production, cost production and equilibrium market; Analyze case according of subject microeconomics theory.

Topics: Introduction to Themes of Microeconomics; The Basic of Supply and Demand; Consumer Behavior; Individual and market demand; Uncertainty and consumer behavior; Production; The cost of production; Profit Maximization; The Analysis of competitive markets; Market Power on Monopoly; Market Power on Monopsony;

Pricing with Market Power; Monopolistic and oligopoly competition; Game Theory and Competitive Strategy; Market for actor Inputs; General Equilibrium and Economic Efficiency; Investment, time, and capital markets; Markets with asymmetric information; Externalities and public goods.

ECON6006 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: 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; Consumption Expectations; Investment Expectations; Expectations, Consumption, and Investment Decision; Goods Markets in Open Economy; Financial Markets in Open Economy; Monetary Policy in Open Economy; Fiscal Policy in Open Economy

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.

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 capital markets; Markets with asymmetric information; Externalities and public goods

ECON6015 – MACROECONOMICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain 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: 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.

ECON6017 – ECONOMICS 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

ECON6037 – MICROECONOMICS (2 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; Consumer Behaviour, Individual and Market Demand; Uncertainty and consumer behavior; Production and Cost of Production; Profit Maximization; The Analysis of competitive markets; Market Power on Monopoly and Monopsony; Pricing with Market Power; Monopolistic and oligopoly competition; Game Theory and Competitive Strategy; Market for factor Inputs, General Equilibrium and Economic Efficiency; Investment, time, and capital markets; Markets with asymmetric information, Externalities and Public Goods.

ECON6038 – MACROECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain that economics is about the allocation of scarce resources, that scarcity forces choice, tradeoffs exist and that every choice has an opportunity cost; Explain concepts of aggregate demand and aggregate supply and how these concept are used to analyze macroeconomic problems; Explain impact of macroeconomic policies on international trade and economic development.

Topics: Introduction to Macroeconomics; How Market Works: The Market Forces of Supply and Demand & Elasticity and Its Application; How Market Works: Supply, Demand, and Government Policies; Consumers, Producers, and the Efficiency of Markets.; Measuring a Nation's Income; Production and Growth; Saving, Investment, and the Financial System; The Basic Tools of Finance; Unemployment and Its Natural Rate; The Monetary System; Money Growth and Inflation; Open-Economy Macroeconomics: Basic Concepts; A Macroeconomic Theory of the Open Economy

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

SUBJECT AREA: EDUC**EDUC8001 - INTRODUCTION TO LANGUAGE AND TESTING (2 Credits)**

Learning Outcomes: On successful completion of this course, student will be able to: offers an introduction on aspects of testing and evaluation. Apprehending learners' styles and needs are also covered throughout the semester. The aim of the subject is to get students to identify items needed for language testing as well as to design a mini-test of the four skills (Reading, Listening, Speaking, Writing).

Topics: A Brief History of Language Testing; Principles of Language Assessment; Test Impact and Washback; Implications for Teaching and Learning; What Teachers Need to Know About Test Analysis; Assessing Reading; Alternative Assessment in Language Education; Assessing Writing; Assessing Listening; Assessing Vocabulary; Assessing Speaking; Assessing Students' Grammatical Ability; Managing Assessment in Large EFL Classes; Review

EDUC6002 - CURRENT ISSUES IN FOREIGN LANGUAGE LEARNING (4 Credits)

Learning Outcomes: On a successful completion of the course, students would be able to identify latest trends and opportunities in the foreign language learning.

Topics: Extroversion / Introversion in Foreign Language Learning; Telecollaboration in Foreign Language Learning; Foreign Language Learning with Digital Technology; Contemporary Approaches to Second Language Acquisition; Under-achievement in Foreign Language Learning

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: Discuss the use of MALL in language learning; Demonstrate the benefits of using MALL.

Topics: What is MALL?; Physical, pedagogical, psycho-social issues; Key issues and insights from MALL and CALL; Principles for MALL; MALL strategies and language learning; MALL Applications; Benefits and challenges.

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

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, understand the research in the field of e-learning, and develop 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?; Multimedia Principle: Select Graphics That Support Learning; Some Ways to Use Graphics to Promote Learning; Development of Teaching Materials for Self-Study Classroom (1); Development of Teaching Materials for Self-Study Classroom (2); Development of Teaching Material for Virtual Classroom (1); Development of Teaching Material for Virtual Classroom (2); Introduction Moodle; Installing and Configuring Moodle; Creating Categories and Courses; Adding Static Course Material; Adding Social Course Material; Features for Teachers; Getting Started with Mathematical Notation; Enhancing Your Math Teaching; Geometry; SCORM and Flash; 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: understand the basic principles of research, understand several research methodologies, apply the research methods in the final thesis, use the research methods in classroom settings.

Topics: Research and Research Methodologies, Quantitative and Qualitative Research, Action Research, Library Research, Correlational Research, Comparative Research, Discourse Research, Field Research.

EDUC6017 - CURRICULUM AND INSTRUCTIONAL DEVELOPMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the main principles of curriculum and instructional development, understand the classic and contemporary theories of curriculum design, have skill to develop a curriculum and have ability to implement a curriculum.

Topics: Main principles of Curriculum and Instructional Development, Foundation of Curriculum, Curriculum approaches, Essential Phases of Curriculum design, Designing a curriculum, Implementing a curriculum, Current trends of Indonesian curriculum.

EDUC6018 – MICRO TEACHING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the basic principles of teaching for primary school students, implement the best practices in curriculum and pedagogy of primary school, apply the theories of learning into practice.

Topics: What is Teaching, Teaching and Learning, Teaching as a Process of Learning, Teaching Do's and Don'ts, Teaching Primary Students Grade 1-3, Teaching Primary Students Grade 4-6, Micro Teaching.

EDUC6019 – LEARNING EVALUATION AND ASSESSMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: understand the main principles of learning evaluation and assessment, understand the classic and contemporary theories of learning evaluation and assessment, design valid evaluation and assessment based on learning process.

Topics: Principles of Evaluation and Assessment, Formative Assessment, Summative Assessment, Portfolio Assessment, Project Based Assessment, Individual Assessment, Group Assessment, Validity and Realibility of Tests.

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 SKILLS (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 SKILLS (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

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: After a successful completion of this course, students would be able to apply the methodology and the skills of communicating in the classroom for improving language learners’ competence.

Topics: Introduction to classroom management; Building rapport and Improving communication; Understanding and Improving Teacher's Roles in the class; Understanding and involving students; Opening and closing : Tips and tricks; Integrating Classroom Management, Rapport and Lesson's Objectives; Observation Task: How do the experienced teachers do it?; Reflection session : Seminar; Maximizing Teacher's Interventions 1; Maximizing Teacher's Interventions 2; Technology and language learner; Technology – assisted classroom communication; Technology – assisted classroom communication 2.

EDUC6046 - LEARNING THEORIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize Learning Theories; Explain The Basic Concepts of Learning Theories; Discuss learning theories in teaching for primary students; Compare Several Approaches on Learning Theory (Skinner, Bandura, Pavlov, Gagne); 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 Notions About Learning; Early Behaviorist Theories; Edward Lee Thorndike; Clark Leonard Hull; B.F Skinner's Operant Conditioning; Gestalt Psychology : The Cognitive Perspective; 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; Bernard Weiner's Attribution Theory; Ivan Petrovich Pavlov; Edwin Ray Guthrie; William Kaye Estes; Donald Olding Hebb; Robert C. Bolles; Evolutionary Psychology and Human Behavior; Cognitive Perspectives: I. The Processing of Information; Cognitive Perspectives: II. Metacognition and Problem Solving; 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 (2); Bases of the Curriculum: Social Forces (1); Bases of the Curriculum: Social Forces (2); Bases of the Curriculum: Theories of Human Development (1); Bases of the Curriculum: Theories of Human Development (2); Bases of the Curriculum: The Nature of Learning (1); Bases of the Curriculum: The Nature of Learning (2); Bases of the Curriculum: The Nature of Knowledge (1); Bases of the Curriculum: The Nature of Knowledge (2); Philosophical Foundations of Curriculum (1); Philosophical Foundations of Curriculum (2); Education for Children (1); Education for Children (2); Curriculum Implementation (1); Curriculum Implementation (2); Curriculum Implementation (3); Curriculum from Time to Time (1); Curriculum from Time to Time (2); Curriculum from time to Time (3); Issues in Curriculum (1); Issues in Curriculum (2); Issues in Curriculum (3); Issues in Curriculum (4)

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.

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.

ENGL8037 – POPULAR CULTURE (2 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Understand the definition of "culture", "popular culture", and "culture studies."; Conclude various cases of popular culture; Describe theories and cases of popular culture; Demonstrate the application of popular culture theories in various cases of popular culture; Compare texts studies of popular culture.

Topics: Introduction to culture, cultural studies and popular culture; Introduction to theories of popular culture; Critical discourse analysis on fiction; Critical discourse analysis on visual culture; Encoding and decoding newspapers and magazines; Encoding and decoding television and radio programs; Encoding and decoding television films; Encoding and decoding films; Ethnography of cyberspace; The consumption of everyday life.

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.

ENGL6084 – INTRODUCTION TO FILM STUDIES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: • LO 1: 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: Welcoming audience and introducing self; Body language and dealing with nervousness; Presenting to English-speaking audiences; Presentation tools; Designing a presentation; Designing the text visual; Delivering a presentation; Presenting visuals effectively; Enhancing Presentation with Effective Visual; Concluding a presentation with good strategies; Handling the questions and answer session; Closing the presentation and thanking the audience.

ENGL6131 – ENGLISH FOR WRITTEN BUSINESS COMMUNICATION (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Differentiate the style and tone of English business written form; Demonstrate the steps in writing some types of written business English; Write different types of written English Business governed by purposes.

Topics: Achieving success in today's competitive environment; Making your meeting more productive; Writing business message using 3 steps writing process; Adapting to your audience; Composing your message; Composing effective email; Revising messages; Writing process for routine and positive message; Creating informative message; Writing process for negative message; Writing persuasive message; Creating effective reports and proposal; Planning a proposal.

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 AND 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, Solve grammatical problems in written/spoken communication based on the theories and concepts given.

Topics: Adjectives: Comparative and Superlative, Simple Present Tense and Present Progressive Tense, Simple Past Tense, Nouns and Adjectives, Connectors, Present Perfect Tense, Present Perfect Progressive Tense, Past Progressive Tense, Simple Future Tense, Modals, Wh Questions, Writing: Descriptive and Narrative Paragraphs.

ENGL6144 - THE SOUND OF ENGLISH (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Illustrate the articulators, Explain how the vowel and consonant sounds are produced, transcribe English words into phonetic symbols and vice versa, Analyze the structure of syllables, Identify the stress placement on words and sentences, Demonstrate the pronunciation of English sentences with correct intonation.

Topics: The Production of Speech Sound, Vowel sounds, Consonants, Phonemic Transcription, Phonotactics, Strong and Weak syllables, Word Stress, Complex word stress, Sentence stress, Connected Speech, Intonation, Phonetics process

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. Describe specific information or details in a text of spoken English; Apply new vocabulary from the texts presented.

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. Cambridge PET Listening Practice.

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 AND 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: At the end of this course, the students will be able to connect the theory of Sociolinguistics and language use in society.

Topics: What do Sociolinguists study?; Code selection in society; Language maintenance and shift; Language maintenance and revival; Language variety and multi-lingual country; Variety, regional and social dialect; Gender and age; Ethnicity and social network; Language variety and change; Language style, context and register; Gender, politeness and stereotype; Speech functions, politeness and cross-cultural communications; Introduction to research in sociolinguistics.

ENGL6149 - ENGLISH SYNTAX (4 Credits)

Learning Outcomes: On successful completion on this Course, students will be able to identify and apply rules of English sentence construction, with the knowledge of the typical English sentences and in comparison to other languages, such as Indonesian.

Topics: History of English language, Generative Grammar, parts of sentence, sentence construction, mechanics in sentence building (clefting, compound-complex sentence).

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, Make and arrange sentences in discourse level, Analyze and solve grammatical problems in written/spoken communication based on the theories and concepts given. Express the meaning of sentences using different words and structure.

Topics: Discourse organizers, Conditionals, Reducing Adverb Clause, Preposition clusters, Gerund and infinitive, Perfective infinitives, Adjective complements in subject and predicate position, Noun complements taking that clause, Subjunctive verbs in that clause, Emphatic structures, Fronting structures for emphasis and focus, Focusing and emphasizing structures. Review topics discussed in Language in Use I and II.

ENGL6151 - PROJECTS IN LANGUAGE, LITERATURE AND CULTURE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply the aspects of doing a presentation in English; Manage self-confidence in presentation skill; Apply useful resources related to functional skill. Write and listen for specific information or details in a text of spoken English; Apply, absorb, and recall new vocabulary from the texts presented.

Topics: Presentation as Communication; Overcoming Fear; Gaining Confidence; Making Good Points; Knowing Your Audience; Choosing the Words; Making Good Intro and Closing; Good Preparations for Presentation; Selecting and Using Visual Aids; Designing Effective Visual Aids; Setting the Scene; Questioning and Answering Sessions; Personal Presentation.

ENGL6152 - INTRODUCTION TO STYLISTICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concepts of 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; Levels of language; grammar and style; rhythm and metre; narrative stylistics; Style as a choice; point of view; representing speech and thought; dialogue and discourse; style of metaphor; verbal humor; cognitive stylistic; review

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

ENGL7155 - ENGLISH QUALIFICATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Demonstrate the understanding of comprehend written English at TOEFL & IELTS level; Demonstrate the understanding of comprehend spoken English at TOEFL & IELTS level; Produce written Academic English in accordance with TOEFL & IELTS tasks; Speak in English in accordance with TOEFL & IELTS tasks.

Topics: IELTS Speaking; IELTS Reading; IELTS Writing Task; IELTS Listening; Reading Question Types; Reading; Listening; Writing; Speaking. TOEFL Reading; TOEFL Speaking; TOEFL Listening. TOEFL Writing.

ENGL6156 - TRANSLATING IN LEGAL CONTEXTS (2 Credits)

Learning Outcomes: After a successful completion of this course, students would be able to perform translating tasks in the legal contexts.

Topics: Introduction to Legal English; Understanding the law contexts 1; Understanding the law contexts 2; The Vocabulary of commercial contracts; The Vocabulary of. . . ; The Linguistic Conventions in Legal Translation 1; The Linguistic Conventions in Legal Translation 2; Between practical and academic legal English; The register and style of written legal English; The usage of translating machine : issues and practices; Case study : Translating from Indonesia to English; Case study : Translating from English to Indonesia; Using Online Translating Machine : Issues and Practices

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: Discuss various issues of translation; Produce various kinds of translation.

Topics: Technical Translation; Medical Translation; Computer-Assisted Translation; Advanced Medical Translation; Professional T/I Internship.

ENGL6159 - UNDERSTANDING ESL/EFL LEARNERS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able: explain learners' behavior and mental processes in educational settings; describe the approaches and processes learners experience in their learning

Topics: Cognitive and Language Development; Social Contexts and Socioemotional Development; Individual Variations; Sociocultural Diversity; Behavioral and Social Cognitive Approaches; The Information-Processing Approach; Complex Cognitive Processes

ENGL6160 - CURRENT ISSUES IN LINGUISTICS AND TRANSLATION (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to comment and further discuss current issues in Translation, from the point of view of the language used.

Topics: There will be various current topics delivered in the form of seminar or public talk.

ENGL6161 - TRANSLATING FICTION (2 Credits)

Learning Outcomes : On successful completion of this Course, students will be able to: Understand the concept of literary translation; Differentiate between fiction and non-fiction translation; Produce good literary translation.

Topics : Getting Started: Preparing to translate; Stages of literary translation; What literary translators really translate; Style in translation; Some notes on translating poetry; Other areas of literary translation; Puns and word play; The dilemma of dialect; Pitfalls and how to avoid them; The all-important title; Profanity, prurience, pornography ; The crucial role of revision; The translators tools.

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: Discuss various aspects and issues of translation; Produce various kinds of translation.

Topics: Issues in translation studies; The linguistic and communicative stages in translation theory; Translating text in context; Translation as a cognitive activity; Translation as intercultural communication; Translation, ethics, politics; Technology and translation; Issues in interpreting studies; Issues in audiovisual translation.

ENGL6165 - 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.

ENGL6190 - 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; 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.

ENGL6167 – 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.

ENGL6168 – 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; Financial and human support; Beyond new ventures; Reviews for final term; Preparing the final project.

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 - WRITING PERFORMANCE (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Mention the key elements in play/screen/animation writing; Involve the key elements in producing a play /screen/animation; Compose a play/screen/animation

Topics : The fundamentals of play writing ; The obstacles and the strategies in play writing; Plot; The dramatic questions; The mini play; Characterization; Terminology in Animation and Comic Writing; What is a comic book? Terminology and Kinds; The animation and the comic writing process; Animation & Comic Script format ; Breaking and Entering the markets.

ENGL6174 - ENGLISH IN MARKETING AND ADVERTISING (2 Credits)

Learning Outcomes: After a successful completion of this course, students would 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

ENGL6175 - REFLECTIVE PAPER ON LANGUAGE PERFORMANCE AT WORK I (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.

ENGL6176 - OBSERVATIONAL PAPER ON LANGUAGE AND CULTURAL PHENOMENA IN INDUSTRIES I (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.

ENGL6177 - REFLECTIVE PAPER ON LANGUAGE PERFORMANCE AT WORK II (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.

ENGL6178 - OBSERVATIONAL PAPER ON LANGUAGE AND CULTURAL PHENOMENA IN INDUSTRIES II (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.

ENGL6179 - ENGLISH FOR TOURISM (2 Credits)

Learning outcome: Master the knowledge and skills of English in the context of tourism

Topic: All aspects of English languages, including speaking, writing, listening, and reading which can be implemented in both academic and practical world

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: Identify mechanism 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; Truss: the method of joints and the method of sections (2); Concept of Stress and strain; Concept of stress and strain (2); Axial and torsion load; Bending load; Deflections of beams; Deflections of beams (2); Deflections of beams (3); Statistically indetermined beams; Statistically indetermined beams (2).

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 ideas, Analyze business model and business model pattern, Examine business models of companies in investigation report and propose potential business ideas.

Topics: Entrepreneurship and The Personality of Entrepreneurs; Creativity and Innovation; Market Research and Strategy Formulation; Defining The Business Model; Business Model Patterns; Operations Management (Key Activities); Financial Information and management; Business Model Environment; ICT as a Business Tool; Marketing; Legal Issues; Contemporary Issues in Small Businesses and Entrepreneurship; Field Report Presentation

ENTR6004 – ENTREPRENEURSHIP 2 (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Execute an idea into product or services, Analyze marketing plan, financial plan, business plan and legal issue, Create a good, innovate and marketable business plan.

Topics: Entrepreneurship and Innovation; Ideas Generation and Implementation; Impact Model; Writing a Business Plan; Market Research; Financial Analysis; Strategic Pricing; Legal Format; Business Contract; Joint Venture and Franchising; Presenting Business Plan; Business Plan Presentation 1 (Final Exam); Business Plan Presentation 2 (Final Exam).

ENTR6012 – INNOVATION & ENTREPRENEURSHIP (2 Credits)

Learning Outcomes: After completing this course, students will be able to understand: 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: After completing this course, students will be able to: Understand and explain the most common Business Model patterns, based on concepts from leading business thinkers; Understand, design, and implement a game-changing business model or analyze and renovate an old one; Understand at a much deeper level of customers, distribution channels, partners, revenue streams, costs, and core value proposition.

Topics: The Business Model Canvas, a tool for describing, analyzing, and designing business models; Business Model Patterns, based on concepts from leading business thinkers; Techniques to help you design business models;

Re-interpreting strategy through the business model lens; A generic process to help design innovative business models, tying together all the concepts, techniques, and tools in *Business Model Generation*. The last section offers an outlook on five business model topics for future exploration; "the making of" *Business Model Generation*.

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; 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

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

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 concept of risk; business risk assessment; risk management. Apply the strategic, project & operational risk management; risk measurement. Analyse the business risk from the business idea and business model.

Topics: The Nature of Risk; Strategic Influence on Business Risk Assessment; The Role of Control; Strategic Risk Management; Project Risk Management; Operational Risk Management; Risk Identification; Risk Measurement; Risk Prioritization; Risk Model Implementation; Risk Management.

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 START-UP (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify and analyze business opportunities; Create innovative business plan and business start-up.

Topics: Business Idea; Business Model; Business Plan Proposal

ENTR6022 - DEVELOPING BUSINESS MODEL (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of brand, brand idea and power positioning. Apply brand's verbal identity. Testing brand. Formulate brand strategy.

Topics: What's the Brand Idea? The Alchemy of Brand Entrepreneur; Power Positioning; The Making of a Brand's Verbal Identity; Creating Your Brand's Verbal Identity; Creating Your Brand's Look and Feel; Pimp My Brand; Brand Bid. Boldly Marketing the Brand; Company Culture: One Team with One Dream; What's Your Pitch?; Take the "Work" out of Networking; From Small Idea to Big Brand.

ENTR6023 - LAUNCHING NEW VENTURE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Test a Business Model; Analyse the Industry & Market; and 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.

ENTR6084 - EES IN NEW BUSINESS I (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: (1) Work in the start-up team with tight deadline and less tolerance of errors. (2) Communicate effectively with different type of persons. (3) Prepare and present extensive business start-up report.

ENTR6025 - ENTREPRENEURIAL STRATEGY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of entrepreneurship and strategy in relation with new venture development. Apply the strategies for opportunity identification, evaluating opportunities and process assessment. Analyse the market and industry to develop new venture strategy. Formulate strategies for the growing business.

Topics: Entrepreneurship and Strategy: A Framework for New Venture Development; Strategies for Opportunity Identification: The Creative Process; Strategies for Evaluating Opportunities: The Assessment Process; Developing New Venture Strategy: Preparation and Launch; Market Entry: Positioning the Firm for Strategic Advantage; Financial Resources Capabilities; The Evolving Management Team; Building Networks and Strategic Alliances; Innovative Strategies for Entrepreneurial Growth; Strategies for the Growing Venture: Mergers, Acquisitions, Franchising and Exit Strategies; Beyond the Strategic Entrepreneurial Model: Learning from Failure.

ENTR6026 - MANAGING GROWING BUSINESS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of growing a business, developing skills and knowledge in growing a business. Apply the foundation of growth-customer retention, promote the business on budget, marketing investment and online marketing. Analyse sales and financing growth.

Topics: Turn your dream into reality; You're not alone-delegate to grow; Developing skills and knowledge; Hiring the best; Inspiring commitment; The foundation of growth-customer retention; Marketing investment that work; 21 Ways

to promote your business on a budget; DIY online marketing that boost sales; Mastering the art of sales; Cut your outgoings; Financing growth; Stay on the right side of the law.

ENTR6027 - GLOBAL ENTREPRENEURSHIP (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of go global, selection foreign market, international business across culture, decisions going global, code-classifying for export product. Apply the concept of global entrepreneurship in new business. Analyse partners for direct/indirect exporting, international marketing data, international pricing, legal aspect, financial payment method, tax and accounting issues, trade finance. Plan a global business strategy.

Topics: Why Go Global?; When Is a Company Ready to Go Global? Harmonized Code-Classifying Your Export Product; Selecting Foreign Markets; Sources of International Marketing Data; Two Key Decisions before Going Global; Finding Your Partners for Indirect Exporting; Finding Your Partners for Direct Exporting; International Business Across Cultures; International Pricing; Legal Considerations; Tax and Accounting Issues; Logistics; Documentation; Financial Risk-Payment Method and Trade Finance; Setting a Pace for Your Export Growth – Assessing Your Export Progress and Success; Managing International Channels of Distribution; International Advertising-Public Relation and Trade Mission/Shows; Key to Success: A Customer Orientation; Sustaining Success through Clear Communication and Managing Change; The Internet and International Trade; Beyond Exporting- Foreign Direct Investment.

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, students will be able to: (1) Work in the start-up team with tight deadline and less tolerance of errors. (2) Communicate effectively with different type of persons. (3) Prepare and present extensive business growth report.

ENTR6032 - THESIS – BUSINESS START-UP REPORT (6 Credits)

Learning Outcomes: After finishing this course, students are 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 - ENTREPRENEURIAL LEADERSHIP (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of entrepreneurial code, entrepreneurial leaders and entrepreneurial laser. Apply the entrepreneurial leadership in business start-up. Analyse 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.

SUBJECT AREA: FILM

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: Audio Visual Program Production; Adding transitions & Advanced Editing Tehniques; Putting Clips in motion; Multicamera Editing & Editing and Mixing Audio; Adding Video Effects & Color correction & Grading; Exploring Compositing Tehniques; TVC & PSA; Creating Titles; Managing Projects; Exporting Clip, Frame & Sequence; Short Film

FILM7037 - SCREENPLAY OF ANIMATION (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: explore the structure of story; write the story for animation works and apply the story in to story board.

Topics: Screenplay structure; Writing Sequences and structure landmarks;the importance of themes in animation;how to write effective scenes

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 the concept 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; Language of the lens; Image Composition; Color & Light; Lighting principles; Shots of Visual Interest; Storyboard & Animatic; Pre-Vizualization 1; Pre-Vizualization 2; Directing; Staging & Blocking; Editing Principles; Film Editing

SUBJECT AREA: FINC**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: After completing this course, the student will be able to: 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 2007; 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.

FINC7007 – CORPORATE FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain The Function of Managerial Finance and The Financial Market Environment; Calculate Time value of money, Financial Ratios and Cash Flow; Analyze The Risk and Return, Valuation of Bonds and Stock; Apply Calculation of Cost of Capital, Capital Budgeting Cash Flow and Techniques for Decision Making; Evaluate Long Term Financial Decision on Dividend Payout Policy and Capital Structure and Short Term Financial Decision on Working Capital Management and Current Liabilities Management; Evaluate Special Topics in Managerial Finance on Mergers, Business Failure and Derivatives Securities

Topics: Introduction to Managerial Finance: The Role of Managerial Finance; Introduction to Managerial Finance: Financial Market Environment; Financial Tools: Time Value of Money; Financial Tools : Financial Statements and Ratio Analysis; Financial Tools: Cash Flow and Financial Planning; Risk and The Required Rate of Return: Risk and Return; Valuation of Securities : Interest Rates and Bond Valuation; Valuation of Securities: Stock Valuation; The Cost of Capital: The Cost of Capital; Long Term Investment Decision: Capital Budgeting Cash Flows; Long Term Investment Decision : Capital Budgeting Techniques; Long Term Financial Decision: Payout Policy; Long Term Financial Decision: Leverage and Capital Structure; Short Term Financial Decision: Working Capital and Current Asset Management; Short Term Financial Decision: Current Liabilities Management; Special Topics in Managerial Finance: Mergers and Business Failure; Special Topics in Managerial Finance: Derivatives Securities.

FINC6010 - INTERNATIONAL FINANCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe international finance; Explain exchange rate, interest rate parity, inflation and its impact; Calculate exchange rate and managing exposure; Analyze international finance environment

Topics: Multinational Financial Management; International Flow of Funds & International Financial Markets; Exchange Rate Determination; 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; Direct Foreign Investment; Analysis of Country Risk; International Cash Management; International Financial Market

FINC6019 – INTRODUCTION TO MONEY & CAPITAL MARKET (2 Credits)

Learning outcomes: After finishing this course, students are able to: understand the role of capital and money market in macroeconomics; summarize rules and regulation in capital and money market; relate the role of capital and money market in maximizing enterprise value; choose and compare the existing instrument in money and capital market.

Topics: Money and capital market legal foundation, the development of money and capital market in Indonesia; regulatory institution, supporting profession in capital and money market; public offering and stock recording; money and stock trading mechanism; stock price index and stock commerce; security valuation; mutual fund; corporate action; scripless trading, clearing and guarantee and trading limit; remote trading and online trading.

FINC6020 – BUSINESS VALUATION & ANALYSIS (2 Credits)

Learning Outcomes: Students will be able to explain a framework for business valuation analysis using corporate disclosure and financial statement data; identifies four key components of valuation: business strategy analysis, accounting analysis, financial analysis, and prospective analysis; apply variety of decision-making contexts including securities analysis, credit analysis, and merger and acquisition decisions.

Topics: The role of financial reporting in capital markets, strategy analysis, accounting analysis, financial analysis, prospective analysis: forecasting, prospective analysis: valuation theory and concepts; prospective analysis: valuation implementation; equity security analysis; credit analysis and distress prediction; mergers and acquisitions.

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.

FINC6042 - PRINCIPLES OF FINANCE AND ACCOUNTING IN TOURISM HOSPITALITY (4 Credits)

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

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.

FINC5044 - FINANCIAL MANAGEMENT (2/2 Credits)

Learning Outcome: On successful completion of this Course, students will be able to: Apply theories of accounting and corporate finance; Analyse treasury management and corporate finance techniques; Criticize the financial controls of an organization; Explain, apply and critically evaluate financial accounting management techniques

Topics: Introduction to Financial Management; Fundamental Concepts in Financial Management; Financial Assets; Investing in Long-Term Assets : Capital Budgeting; Capital Structure and Dividend Policy; Working Capital Management and Financial Forecasting; Derivatives and Risk Management; Multinational Financial Management; Hibrid Financial : Preferred Stock, Leasing, Warrants, and Convertibles; Merger and Acquisitions

FINC7047 - CORPORATE FINANCIAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain The Function of Managerial Finance and The Financial Market Environment and Propose the showcased potential business project and Propose the Showcased Potential Business Project; Calculate Time Value of Money, Financial Ratios and Cash Flow; Analyze The Risk and Return, Valuation of Bonds and Stock; Apply Calculation of Cost of Capital, Capital Budgeting Cash Flow; Evaluate Leverage and Capital Structure, Working Capital and Current Asset Management and Current Liabilities Management; Evaluate Special Topics in Managerial Finance on Mergers, Business Failure and Derivatives Securities .

Topics: The Role of Managerial Finance and The Financial Market Environment; Customer Insight and Market Analysis; The Time Value of Money; Financial Statements and Ratio Analysis; Business 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, Divestitures, and Business Failure; Design Process; Hybrid and Derivative Securities; Evaluation Products/Services Prototype

FINC6048 – TREASURY MANAGEMENT (4 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Define Corporate Finance especially structure of firms when they generate the funds in order to maximize stock price; Analyze working capital management and cash management; Calculate interest rate on investment, risks, return, hurdle rates and capital budgeting; Analyze capital structure and dividend policy; Analyze Equity and Debt Valuation; Assess risk management for foreign exchange risk and interest rate risk.

Topics: Treasury Concept and Treasury Function; The Objective in Decision Making; Working Capital Management; Cash Management; The Basic of Risk; Risk Measurement and Hurdle Rates in Practice; Capital Budgeting; Capital Structure: Overview of the Financing Decision; Capital Structure: the Optimal Financial Mix; Dividend Policy; Equity Valuation; Debt Valuation; Risk Management

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.

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; Apply The Hedging Strategies on Futures, Options; SWAP and other derivatives; Explain technical analysis and Apply the advanced tactics on trading

Topics: Hedging Strategies Using Futures and Options; Options on Stock Indices and Currence; Swap and Credit Derivative; Identification of Trend and market cycle , support and resistance, candle stick charting; Price Patterns & Price Patterns for Traders, Trend Line and Moving Average; Principles of Momentum and Key Momentum Indicators, practical trading tactics; Technical Analysis : Moving Average, Bollinger Bands, Relative Strength Index; Volume Interpretation, Candle Stick Chart, Fibonacci Retracements

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

FINC6075 - INTERNSHIP I (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; apply the related Finance theory to solve real business cases; manage scarce resources to accomplish the task

FINC6096 - EES IN INDUSTRY I (3 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

FINC6078 - INTERNSHIP II (8 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: gain experiences in becoming team member that supports a team to prepare and submit deliverables for clients; apply the related Finance theory to solve real business cases; manage scarce resources to accomplish the task

FINC6079 - EES IN INDUSTRY II (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

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

FINC6082 - FINANCE IN PRACTICE (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: gain experiences in analysing 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.

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

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 (4/2 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; Shelf life of foods; Aseptic packaging of foods and packaging of microwavable foods; Active and intelligent packaging; Modified atmosphere packaging; Packaging of flesh foods, dairy products; Packaging of horticultural products, cereals, snack foods, confectionery, and beverages; Regulation and Legislative, safety aspects of food packaging, and waste management

FOOD6004 - SENSORY EVALUATION (2/1 Credits)

Learning Outcomes: Students are 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: Students are 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 microbiological 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: Students are 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: Students are 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: Students are 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, nitrification 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: blanching, 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 Engineering and Food biotechnology in food processing; Identify the phenomes which happen during processing and packaging; Identify the nutrition value of food products; Explain the principles of food safety and food quality assurance and legislation.

Topics: Introduction and Background; Food chemistry; Food Microbiology; Food biochemistry; Food physics; Food analysis; Food engineering; Food biotechnology; Food processing; Food packaging; Nutrition; Food Safety; Quality assurance and legislation.

FOOD6017 - PRINCIPLE OF FOOD ENGINEERING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain about basic principles and application of the unit operations such as units and dimensions, material and energy balance, and thermodynamics in processing engineering and preservation of food which is based on understanding of chemistry, physics, and mathematics; Illustrate about principles of psychrometrics, mass transfer and membrane separation with its application in food processing; Apply about concepts of fluid flow and heat transfer with its application in food processing; Apply about basic concepts of food preservation processes and storage for preserve food materials, eliminating harmful pathogens present in the food, and minimizing or eliminating spoilage microorganism and enzymes for shelf life extension; Calculate process in the design process of evaporation and dehydration in the system of food processing

Topics: Introduction; Fluid Flow in Food Processing; Heat transfer in food processing; Preservation Processes; Refrigeration; Food Freezing; Evaporation; Psychrometrics; Dehydration; Mass transfer and membrane separation

FOOD6018 - PRINCIPLE 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; Separation and Concentration Technologies in Food Processing; Thermal Principles and Kinetics; 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

FOOD6019 - FOOD PROCESSING TECHNOLOGY (4 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; Confectionary 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; 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); Industrial Visit; 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; Shelf life of foods; Aseptic packaging of foods and packaging of microwavable foods; Active and intelligent packaging; Modified atmosphere packaging; Packaging of flesh foods,

dairy products; Packaging of horticultural products, cereals, snack foods, confectionery, and beverages; 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: Students are 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: 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: Students are 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: Students are 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 (2/2 Credits)

Learning Outcomes: Students are 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; Fruits and vegetables; Soybean; Miscellaneous foods and food components; Impact of Processing on the Bioactivity of functional and nutraceutical ingredient in foods; New Technologies for functional food manufacture; Probiotics and Prebiotics

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 department if necessary; Provide extensive reports/documents

Topics: Project in Food Industries

FOOD6032 - COMMUNICATION SKILLS IN FOOD INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify appropriate communication for the application in the food industries; create the communication strategy; demonstrate effective communication in the food industries.

Topics: The goals of communication; Making sure the audience receives the message; Making sure the audience pay attention to the message; Making sure the message is understood; Making the message to be credible; Making the message memorable; Making sure the audience acts on the message; Persuasive and ethical communication; Speech; Presentation on the product knowledge; Online communications; Awareness raising; Audience analysis; Situation analysis.

FOOD6035 - FOOD SAFETY MANAGEMENT SYSTEM (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the types of hazards in food and how to prevent it; Explain the basic principle of food products are safe for consumption; Apply the principles and techniques of handling and food technology to make food products are safe for consumption; Identify the types of food analysis related to food safety according to the type of food products; Formulate control, quality assurance and traceability system of food products based on the principles of food science.

Topics: History and Overview of Food Safety; Biological Hazards, their significance and control; Foodborne Toxic and Physical Agents; Food Safety Management; Plant sanitation and hygiene; Risk Assessment and Hazard Analysis of Foods; Laboratory Methods for Food Safety; Food Traceability.

FOOD6036 - COMMUNICATION SKILLS IN FOOD INDUSTRY (3 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify appropriate communication for the application in the food industries; create the communication strategy; demonstrate effective communication in the food industries

Topics: The goals of communication; Making sure the audience receives the message; Making sure the audience pay attention to the message; Making sure the message is understood; Making the message to be credible; Making the message memorable; Making sure the audience acts on the message; Persuasive and ethical communication; Speech; Presentation on the product knowledge; Online communications; Awareness raising; Audience analysis; Situation analysis

FOOD6039 - PROFESSIONAL EXPERIENCE (4 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify and solve problems in the food industries; Apply skills that has been acquired during the classes/courses in the Food Technology department if necessary; Provide extensive reports/documents

Topics: Professionalism practice in the Food Industries practices

FOOD6040 - FOOD ANALYSIS IN FOOD INDUSTRY (2 Credits)

Learning Outcomes: Students are 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 obtain working experience in the field work of food industries to enhance the soft skills

Topics: Team work; Problem solving; Interpersonal skill

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 EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Choose tools and techniques related to UX Design; Explain the essential knowledge of UX Design; Analyze the process of UX Design

Topics: User Experience Evaluation in Entertainment; Enabling Social Play: A Framework for Design and Evaluation; Presence, Involvement and Flow in Digital Games; Assessing the Core Element of the Gaming Experience; The Life and Tools of a Game Designer; Investigating Experiences and Attitudes Towards Videogames using a Semantic Differential Methodology; Video Game Development and User Experience; User Experience Design for Inexperienced Gamers: GAP - Game Approachability Principles; Digital Games, the Aftermath: Qualitative Insights into Post Game Experiences; Evaluating User Experience Factors using Experiments: Expressive Artificial Faces Embedded in Contexts; Evaluating Exertion Games; Beyond the Gamepad: HCI and Game Controller Design and Evaluation; Using Heuristics to Evaluate the Overall User Experience of Video Games and Advanced Interaction Games.

GAME6026 – THESIS (6 Credits)

Learning Outcomes: Students 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.

GAME7029 - 2D GAME PROGRAMMING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain 2d game features; analyze technique in 2D game programming; apply technique for transformation, image manipulation, animation, collision, sound effect; produce program using 2D technique.

Topics: Introduction to 2D Graphics; Transformation; Image Manipulation; User Interface; Sprite Animation; Mouse and keyboard listener; Creating game world; Creating game character; Simple bot behavior; Collision detection; Gameplay; Sound effect and music.

GAME6033 - STORYBOARDING & CONCEPT ART (2 Credits)

Learning Outcomes: Students will be able to: Create a pre-visualize scene for the entire game; Create a plan for specific scenario about the actor, camera, trigger, and all about that happen inside of the game; sketch a creating prototype and design functional creations; Use this method to make sure the quality and speed of production of the game in order to set assets which are needed for the game.

Topics: Drawing; Sketching; Concept Art; Environment Art; Character Design; Coloring; Image Editing; Creative Brainstorming.

GAME6034 - 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; Creative Skills; Industry Awareness; Career Preparation.

GAME6035 - EES IN GAME INDUSTRY I (4 credits)

Learning Outcomes: The primary goal of an EES in Game Industry is to provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communication Skills; Problem Solving Skills; Team Work Skills; Interpersonal Skills.

GAME6036 - GAME PRODUCTION IN INDUSTRY (2 credits)

Learning Outcomes: On successful completion of Game Production in Industry, 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.

GAME6037 - GAME PROTOTYPING IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of Game Production in Industry, student will be able to: produce games prototype in industry.

Topics: Game Design Document; Genre of game; Audience for game; Object of game; Learning objectives if it is a serious game; Rules of game; Scoring feature; Sample Gameplay; Win/Lose Scenario; Sample Graphics;

GAME6039 - 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 technopreneur.

Topics: Professional Skills; Creative Skills; Industry Awareness; Career Preparation; Professional Project; Start Up Incubation; Final Project.

GAME6040 - EES IN GAME INDUSTRY II (4 Credits)

Learning Outcomes: The primary goal of an EES in Game Industry is to provide the student with the opportunity to apply employability and entrepreneurial skills to solve practical real-world problems in a professional setting.

Topics: Communication Skills; Problem Solving Skills; Team Work Skills; Interpersonal Skills.

GAME6041 - GAME TESTING AND QUALITY ASSURANCE IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of Game Testing and Quality Assurance in Industry, student will be able to: test the games using appropriate methods, find the games's bugs in industry.

Topics: Testing Game; Report Bugs; Alpha Test; Beta Test.

GAME6042 - GAME RESEARCH QUEST IN INDUSTRY (2 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

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 for Games; Apply motions to a 3d model and applied in games; Modify settings for material and lighting; Apply additional effects to enrich the scene.

Topics: Introduction to 3D Modeling for Games; Animation; Objects; Modifiers; Materials; Polygon Editing; UV Mapping; Lights; Environmental effects; Lens Effects; Rendering; Motion; Curve editor; Space warps.

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: Explain mobile and web programming concept; Choose appropriate programming language techniques; Build a mobile apps and website.

Topics: Understanding Mobile Web Programming Concept; HTML 5, CSS, JavaScript; Database; Architecture and Design; User Interface; User Experience; Images and Media; Geolocation and Networks; Content Delivery; Debugging and Performance.

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.

SUBJECT AREA: INTR

INTR6001 - INDONESIA IN PERSPECTIVES (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify actors, issues, and systems of Indonesian political economy; Describe concepts and theories to explain Indonesian political economy; Explain important periods that define the Indonesian political economy; Analyze contemporary Indonesian political economy

Topics: Introduction to Indonesia in Perspective; Introducing politics; Basic political concepts; Approaches to understand politics; Types of political system; Indonesian political system; Distribution of power: horizontal and vertical; Trias politica; Political participation; Political party; General election: a journey towards democracy; Indonesian politics: Problems and Issues; Democratisation in Indonesia: Challenges and Opportunity; The optimist:

Indonesia towards a mature democracy; Introduction to economics; Supply and demand; Market theory; Public goods and common resources; Introducing macroeconomics policy; Stabilisation policy; Influence of fiscal policy on economy; Debates over macroeconomic policy; Indonesian economic architecture; Indonesia and Asian economic crisis; Indonesian economy post Soeharto; Embracing globalisation: Indonesian economic policy

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 Identify the modern interstate politics and philosophies; Identify Identify a series of events before, during, and after the First and Second World War; Explain Explain the international relations during and after the First and Second World War; Analyze Analyse the contemporary international relations particularly the Cold War and post Cold War era

Topics: Introduction to modern world history; The Medieval Ages of Europe; The beginning of the Modern Ages: The Renaissance era; Inventing the modern world economy; Conceptualising the state's sovereignty; The 17th century's politics and economy; The Enlightenment politics; World order: anarchy, contract and order; The road to the First World War; After the WW I: How it ended; The Twenty Years Crisis: International Relations during 1919-1939; On the Brink of the Second World War; The Battlefield: The Second World War; Picking of the Pieces: The World Post WW II; The Age of the Cold War; Into the Whirlwind: Cold War Heightened; Détente of the 1970-1990; Conflict in the Middle East; Discussion forum; The End of the Cold War; Movie screening; The Changing World Order: Politics and Socio-Economic; The World in the 21st Century

INTR6004 - PHILOSOPHY OF SOCIAL SCIENCE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify basic concepts of philosophy of social science; Describe basic concepts of philosophy of social science; Analyze social phenomena based on social science approach

Topics: Introduction: Thinking as Social Scientist; Understanding Philosophy of Science and Social Science; Explanation of Human Action; Foundations of Sciences; Ontology; Epistemology; Axiology; Advantage of Philosophy

of Social Science; Theory, Truth and Claims in Social Science; Selected Issue in Social Science; Rationalism and Empiricism; Perspectives in Philosophy of Social Science; Philosophy of Social Science and Social Scientist Responsibility

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: understand the introduction to security studies, a key aspect of international relations. Students will be familiarized with theoretical trends and developments in the field which are beneficial in understanding major security problems that dominate world affairs. Key concepts in security studies, including security dilemma, national security to name a few, will also be discussed in this course.

Topics: Key concepts in security studies such as security dilemma, national security, power, nation state, the changing nature of conflict: old and new.

INTR6007 - INTERNATIONAL RELATIONS RESEARCH METHOD (4 Credits)

Learning outcomes: On successful completion of this course, student will be able to: Identify the theoretical principles on which scientific research is based; Describe the theoretical principles on which scientific research is based; Apply the theoretical principles on which scientific research is based; Analyze International Relations phenomena based on those theoretical principles into a simple research design.

Topics: Introduction; Understanding Inquiry to Social Research: Foundation of Social Research; Understanding Inquiry of Social Research: Paradigm and Social research; Understanding Inquiry of Social Research: Theory and Social Research; Understanding Inquiry of Social Research: Ethics and Politics of Social Research; The Research Process: A Quick Glance; Formulating The Research Problem: Literature Review; Formulating The Research Problem: Identifying Variables and Constructing Hypotheses; Constructing An Instrument for Data Collection; Selecting Data; Selecting Sample; Modes of Observation: Survey Research; Conceptualizing A Research Design; Structuring of Inquiry: How to Design A Research Project and Research Proposal; Writing A Research Proposal; Processing and Displaying Data; Writing A Research Report and Evaluation; Reading and Writing International Relations Research: Presentation Research Design.

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 International Relations theories

Topics: Introduction to International Relations Theories; Realism (Classical); 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: The Fourth Secret World War; Feminism; Rational Choice Theory; Game Theory; Domestic Politics; Case Simulation 2: Korean Crisis; Non-Western International Relations Theories; The Development of International Relations 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: By the end of this course, students will be able to: Describe key concepts in the field of Strategic Studies; Identify key theories in the field of Strategic Thought; Examine a range of international security problems by applying strategic thinking

Topics: Introduction to strategic theory; Strategic Culture; Law, Politics, and the Use of Force; The Evolution of Modern Warfare; Geography and Strategy; Technology and Warfare; Intelligence and Strategy; Irregular Warfare; The Second Nuclear Age: Nuclear Weapons in the 21st century; The Control of Weapons of Mass Destruction; Conventional Power and Contemporary Warfare; Iraq, Afghanistan, and American Military Transformation; A new Agenda for Security and Strategy

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 and relevant approaches in foreign relations analysis, and also the definitions and criteria of developed countries; Identify the foreign policy of several developed countries, i.e. the United States, European Union, Japan, and Russia; Describe factors and sources of each developed country's foreign policy; Analyze the developed country's foreign policy in the International Relations context.

Topics: Developed Country Definition; Foreign Policy in International Relations; Theoretical Approaches in Foreign Policy Analysis; US Foreign Policy: Smart Power; US Foreign Policy: Sources; US Foreign Policy: George W. Bush Administration; US Foreign Policy: Barack Obama Administration; European Major Powers; European Integration and EU; EU Common Foreign and Security Policy; EU Relations with the US; EU Relations with Africa, Caribbean, and Pacific Countries; EU Relations with Asian Countries; Postwar Japan and Relations with the US; Japan's Official Development Assistance; Japan's Multilateral Economic Diplomacy; Japan's Multilateral Political Diplomacy; Russia's Foreign Policy: Sources; Russia's Foreign Policy: Structures and Implementations; Russia's Armed Conflicts; Case Studies and Group Papers

INTR6018 - INTERNATIONAL ORGANIZATION IN INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Describe basic concepts and theories of international organizations; Explain initial development, dynamics and issues of international organization; Apply the acquire knowledge into case studies and practices of Model Unites Nations; Analyze the roles and

influences of international organization toward specific international relations issues; Propose business plan and the showcased potential business plan.

Topics: Introduction to International Organization; Theories of International Organization; Historical Context of International Organization & Business Plan Preparation; International Organization as Political System; Actor's Demands and Supports: the Input Dimension & Develop A Business Plan; Decision Making in International Organization; Output Dimensions of International Organization & Financial Aspect of Business; The United Nations; Regional Institution: the European Union; World Trade Organization as International Organization; International Monetary Fund and World Bank as International Organization; Security Issues and International Organization; Workshop on Position Paper; Workshop on Model United Nations; Model United Nation Conference & Business Plan Evaluation; Environmental Issues and International Organization & Your Business Now; Human Rights and International Organization & Strategic Future Plan; Humanitarian Action and International Organization; Social Development and International Organization.

INTR6024 - INTERNATIONAL LAW ISSUES AND INTERNATIONAL DISPUTE SETTLEMENT (4 Credits)

Learning outcomes: On successful completion of this Course, students will be able to: Identify key concepts relevant to the role of international media in international relations; Describe theories relevant to the role of international media in international relations; Apply key concepts and theories to a range of global issues in international relations; Integrate key concepts and theories to explain the dynamics and problematics of international media's role in the global world.

Topics: Introduction: International Media in the Global World; Rising Globalism: International Media and World Order; International Media, New World Information Order, and New World (Dis)order; International Media and Global Development; International Media and Representation of Civilizations; International Media and Image Politics; International Media, Peace and Conflict; International Media and the Reporting of Warfare; International Media and Information Warfare; International Media and International Politics; International Media in Foreign Policy and Diplomacy; Patterns, Prospects and Concerns on International Media's Role; Conclusion: International Media's Roles and Responsibilities for the Global World

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: Introduction to Non-Conventional Issues in International Relations; New Approaches and Concepts of Non-Conventional Issues; Nationalism as Non Conventional Issues in IR; Human Rights in International Relations; Migration and Population; Conflict and Cooperation Over Natural Resources; Gender and Equality in International Relations; Global Epidemics as International Relations Issues; Environmental Issues as Non Conventional Issues in IR; Religion and International Relations; Study Visit and/or Guest Lecture; Popular Culture as International Relations Issues; Education and Children as Non Conventional Issues in IR.

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; Regionalism versus globalization; The political ideas of regionalism; The Economic ideas of regionalism; 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 Japan's role and its interest to the development of regionalism; Understanding South Korea's growing importance in the region and it's initiatives towards region; Asian Monetary crisis as a stimulus of regionalization; Evaluation.

INTR8032 - POLITICAL ECONOMY AND REGIONAL INTEGRATION IN AMERICA (4 Credits)

Learning outcomes: By the end of this course, students shall 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.

INTR8033 – POLITICAL ECONOMY AND REGIONAL INTEGRATION IN AFRICA AND MIDDLE EAST (4 Credits)

Learning outcomes: By the end of this course, students shall 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.

INTR8034 - MULTINATIONAL CORPORATIONS AND SOCIAL RESPONSIBILITY (4 Credits)

Learning outcomes: By the end of this course, students shall understand the role of multinational corporations in its relations with state and society, and also about how multinational companies investing and conducting operational activities in host country often being at the position against the community. The challenge that should be addressed is how to peacefully coexist with the community despite the fact that company's and community's interest often contradict each other. Multinational company wants profit which occasionally harms the local community's interest, while on the other hand the community need jobs but also to protect their place of living. Such a situation often becomes the trigger of conflict.

Topics: The concept of corporate social responsibility, motive of multinational company in conducting corporate social responsibility, relationship between multinational corporations, community and government, the impact of corporate social responsibility, community empowerment, sustainability.

INTR8035 - INTERNATIONAL POLITICAL ECONOMY OF MULTINATIONAL CORPORATIONS (4 Credits)

Learning outcomes: By the end of this course, students shall understand the theoretical perspective in scrutinizing multinational corporations from the international political economy perspective.

Topics: Thoughts of Stephen Hymer (internalization, international capitalism), Peter Buckley, John Dunning (O-L-I paradigm), Oliver Williamson (Transaction Cost), Bruce Kogut and Udo Zander (Evolutionary of the Firm), Robert Gilpin (MNC and State) etc.

INTR8036 - MULTINATIONAL CORPORATION'S GLOBAL STRATEGY (4 Credits)

Learning outcomes: By the end of this course, students shall understand multinational corporation's global strategies which are generally divided into four: (1) strategic alliance); (2) corporate diversification; (3) merger and acquisition; and (4) internationalization strategy. All these four grand strategies are to be discussed by using sample issues such as the company's information technology, knowledge, and competitiveness both in developed and developing countries.

Topics: Strategic alliance; Corporate diversification; Merger and acquisition; Internationalization strategy, Reason in conducting alliance; Joint venture, and cross-border strategic alliance, Reason to do diversification; How diversification is conducted and management of diversified multinational company; Reason, types, process and result of merger and acquisition; Reason of multinational company invests in foreign/other country market; Challenges faced and kind of strategies applied.

INTR8038 - WTO AND TRADE DIPLOMACY (4 Credits)

Learning outcomes: By the end of this course, students shall understand trade diplomacy at global level, particularly the one applied by big countries in WTO.

Topics: the role of WTO which is a forum from and through which member states try to assert their respective interests, certain trade conflict and its settlement, big countries' interest in WTO, third world countries' interest in WTO, and political economic aspect from trade.

INTR6039 - INDONESIA'S TRADE POLICY IN AN ERA OF FREE COMPETITION (4 Credits)

Learning outcomes: By the end of this course, students shall understand the definition, types, and factors influencing Indonesia's trade policy making, the implications of Indonesia's trade policies, case samples addressing most updated issues such as regional free trade of ASEAN, ASEAN-China, and policies in WTO.

Topics: Definition; Type, Factors influencing trade policy making; Involved actors; Actors' interest; Indonesia's trade national interest; ASEAN states' interest; Big countries' interest.

INTR8040 - ECONOMIC DIPLOMACY OF CHINA AND INDIA (4 Credits)

Learning outcomes: This course accommodates the economic diplomacy of the rising China and India as emerging powers within the Asia region and beyond. By the end of this course, students shall understand China's and India's global strategy, both in politics, economy, security, and their influence on regional and global stability.

Topics: The rise of China and India are to be analyzed from various points of view, including foreign politics, diplomacy, economy and military, and diplomacy, as well as responses from certain countries toward the rising power of China and India.

INTR6041 - DEVELOPMENT OF INFORMATION TECHNOLOGY AND WARFARE (4 Credits)

Learning outcomes: By the end of this course, student shall understand the role of information technology and communication in international politics that are used by different actors in international relations to compete for spheres of influence.

Topics: Technology management by countries for supporting their national interest; Policies implemented; Particularly if in their competition with other states; The role of information technology as tool of propaganda in information warfare; Contemporary information operation; Information infrastructure; International implication of cyber warfare.

INTR8042 - MEDIA, WAR AND PEACE (4 Credits)

Learning outcomes: By the end of this course, student shall understand the role of media in war and peace.

Topics: Access of decision makers to media sources to support the former decision; Media as agent of peace building; Media as contributor of peace and war at regional and global scales; Media's role toward foreign policy; Negative effect of international media; Media as agent of change in international system; Exploitation of state by global media; Media and international diplomacy; War between media.

INTR8043 - INTERNATIONAL MEDIA AND STATE ROLE (4 Credits)

Learning outcomes: By the end of this course, students shall understand the role of international media and its influence on state diplomacy process at international level. The role of international media as CNN, Al Jazeera etc are made as sample cases of the role of international media in inter-state diplomacy.

Topics: Media's global role; CNN in global political arena; Al Jazeera in regional political constellation; The role of individual of global media in developed and developing countries diplomacy; Global media's role in shaping the state's image; Conflict between global media and the state; Global media and key states collaboration; The role of global media in shaping civilization.

INTR8044 - STRATEGIC LEADERSHIP (4 Credits)

Learning outcomes: By the end of this course, students shall 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: By the end of this course, students shall understand peace and conflict in international world.

Topics: Main approaches in peace and conflict study; The cause of war; Phases of war; The ongoing of war and peace process in various national; Regional and global-scale conflicts/cases; Peace efforts/conflict resolution and its steps; Involved actors including through international organizations; Global factor; Regional factor; Domestic factor; Hegemony.

INTR8046 - TERRORISM ERA: ECONOMIC, SOCIAL, POLITICAL AND SECURITY IMPACTS (4 Credits)

Learning outcomes: By the end of this course, students shall 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.

INTR6048 - THESIS (6 Credits)

Learning outcomes: Students shall be able to write an undergraduate thesis on a topic in the field of international relations, broadly defined.

INTR8049 - GLOBAL ECONOMIC ARCHITECTURE (2 Credits)

Learning outcomes: By the end of this course, students shall understand the interaction between international relations actors in global economic context such as inter-state interaction, state-international financial institution, and between different financial institutions at global level, and analyze their influences toward global economy.

Topics: Interaction between actors, global economic structure, big countries' interest in international financial institutions such as World Bank, International Monetary Fund, World Trade Organization, as well as new group initiatives such as G-8, G-77, and G-20.

INTR8050 - GLOBAL SECURITY ARCHITECTURE (2 Credits)

Learning outcomes: By the end of this course, students shall understand the inter-state interaction at global level and assess its influence on global security.

Topics: state and non-state actors in global security, strategic issues at global level (nuclear, energy, democratization, maritime, etc.), global traditional security agenda, multilateralism and security institution.

INTR6051 - INDONESIA AND INTERNATIONAL DEVELOPMENT (2 Credits)

Learning Outcomes: By the end of this course, students shall understand the context, actors, and issues related to international development.

Topics: This course explores the international development topic which is closely associated with issues such as foreign aid, governance, healthcare, education, poverty reduction, infrastructure, human rights, and economics. In a broader sense, the course takes into account the role of MNC in those issues particularly in supporting reconstruction in the conflict-torn regions and infrastructure. Indonesia and other developing countries' engagement with international development in their role as recipient countries are posed as case studies, especially their contribution in meeting the Millennium Development Goals and the effectiveness of foreign aid.

INTR8052 - INTERNATIONAL COMMUNICATION AND MULTICULTURALISM (2 Credits)

Learning outcomes: By the end of this course, student shall understand theories of international communication and the role of international communication with regard to multiculturalism in shaping international relations.

Topics: actor, background and communication techniques which influence international relations, issues pertaining to wide spectrum of problem such as socio-culture, politics, ethnic, gender, religion, etc, risk and crisis in international communication, inter-cultural conflict.

INTR8053 - NATIONAL IDENTITY IN A GLOBAL WORLD (2 Credits)

Learning Outcomes: By the end of this course, students shall understand the role of national identity in changing global environment as well as in the inter-state relations.

Topics: The course mainly covers the basis of creation of national identity and the relevance of national identity for nationalism, clash of civilizations, ethnic conflict, and internationalization of culture.

INTR8054 - THE INDONESIAN DEFENCE STRATEGY (2 Credits)

Learning Outcomes: By the end of this course, students shall understand the Indonesian defense strategy guided by Indonesian Defense White Paper.

Topics: A series of lectures and seminars on topics such as definition of (military and defense) strategy and doctrine, posture and economic defense, trajectory of Indonesian defense strategy to deal with new threats, and history of military operation since 1945.

INTR8055- THE RISE AND FALL OF MULTINATIONAL CORPORATIONS (2 Credits)

Learning outcomes: By the end of this course, students shall understand the history of multinational corporations as well as their roles in international relations.

Topics: A series of lectures and discussions on topics including definition, reason behind the emergence of multinational corporations, motives of multinational corporations, theoretical approach and the impact of multinational corporation's presence for home country and host country.

INTR6056 - THE ROLE OF INDONESIA IN THE GLOBAL GOVERNANCE (2 Credits)

Learning Outcomes: By the end of this semester, students shall understand the context and role of Indonesia in the global governance.

Topics: This course is designed to analyse the role of Indonesia in strengthening global governance through its active participation particularly in ASEAN, Asia and beyond, G-20, United Nations, and UN Peace Keeping Operations.

INTR6057 – INDUSTRIAL EXPERIENCE (8 Credits)

Learning outcomes: This course is designed for students to channel their acquired knowledge and understanding of international relations, including negotiation, diplomacy, and language skills, into practice by engaging in a 4 to 6 months period of internship in places such as government institutions (e.g. Ministry of Foreign Affairs), non-governmental organizations (both local and international), private sectors, multinational companies, and news agencies, both international and local. By the end of this course, students shall acquire valuable experience and insight into a real work environment for international relations graduates. Upon completing this course, students should go back to the university to continue to study in a traditional method of learning.

INTR6058 - EXPERIENCE IN NATIONAL/INTERNATIONAL ORGANIZATION (8 Credits)

Learning outcomes: This course is designed for students 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.

INTR6089 – INTERNATIONAL BUSINESS REPORT WRITING (3 Credits)

Learning Outcomes: After completing this course, students will be able to write good business reports . Such reports should present clear, concise, and important information concerning multinational corporations and related areas.

INTR6090 - JOURNALISTIC WRITING FOR INTERNATIONAL RELATIONS (3 Credits)

Learning Outcomes: After completing this course, students will be able to write good journalistic reports in the area of international relations. Such reports should present clear, concise, and readable information in the international relations related area, such as global governance, international political economy, international trade, multinational corporations, regionalism, and security issues.

INTR6061 - REPORTING SKILL IN INTERNATIONAL SETTING (4 Credits)

Learning Outcomes: After completing this course, students will be able to prepare, write, and present reports in the area of media, international organizations, and global governance. Such reports should present clear and concise information that can improved the audiences' understanding of a certain issue related to the aforementioned areas.

INTR6091 - SECURITY ANALYSIS WRITING (3 Credits)

Learning Outcomes: After completing this course, students will be able to prepare and deliver a good presentation on a topic related to multinational corporations. The presentation should be clear, concise, interesting, and easy to understand.

INTR6092 – INTERNATIONAL TRADE ANALYSIS WRITING (3 Credits)

Learning Outcomes: After completing this course, students will be able to write good business reports especially in the area of international political economy and trade. Such reports should present clear, concise, and important information that might be significantly useful for the purpose of diplomacy.

INTR6064 – INTERNATIONAL BUSINESS PRESENTATION SKILL (4 Credits)

Learning Outcomes: After completing this course, students will be able to prepare and deliver a good presentation on a topic related to multinational corporations. The presentation should be clear, concise, interesting, and easy to understand.

INTR6065 - NEGOTIATION SKILL IN BUSINESS DIPLOMACY (4 Credits)

Learning Outcomes: After completing this course, students will be able to conduct an effective negotiation for purpose of international trade and business diplomacy. The skills to conduct such negotiation include the ability to clearly explain his/her party's position to other parties, convince other parties to accept her/his party's proposals or offers, or, to find a win win solution for a disagreement that might arise between his/her party with the other parties.

INTR6066 - PERSUASION AND INFLUENCING SKILL (4 Credits)

Learning Outcomes: After completing this course, students will be able to persuade or/and influence other party in issues related to security. In order to be able to do the above tasks, the students need to acquire skills that enable them to explain his/her party's position to other parties and convince other parties to accept their party's proposals or offers. They also need to be able to find a win win solution should a disagreement between their party with the other parties arises.

INTR6067 - DYNAMICS OF STATE INTERACTION AND MULTINATIONAL CORPORATIONS IN GLOBALIZATION ERA (4 Credits)

Learning outcomes: This course offers analyses on the complex relationships between states and MNC that create a tripartite model, ie., MNC-host country, MNC-home country, and host vis a vis home country. Their dynamics interactions are interesting to scrutiny because each actor has different objectives. They also share mutual interests sometimes. Hence, by the end of this course, students shall understand this dynamic yet complex relationship between MNC and states, both host and home, underpinned by lively discussions on case studies in developed and developing countries involving strategic industrial sectors such as oil and gas and manufacture.

INTR6068 - RISK ANALYSIS IN INTERNATIONAL RELATIONS (4 Credits)

Learning outcomes: By the end of this course, students shall understand the possible risks a country is going to face while conducting business activity in other country/countries. This course will discuss about various kinds of the

risks that may occur as a consequence of doing such a business. In this course, students are asked to make a scenario on the possible risk a country is going to face when it conducts business activity in another country.

INTR6069 - STRATEGIC INDUSTRY AND GLOBAL SECURITY (4 Credits)

Learning outcomes: By the end of this course, students shall understand the role of strategic industry in global political constellation.

INTR6070 - THE ROLE OF INTERNATIONAL MEDIA IN A GLOBAL WORLD (4 Credits)

Learning outcomes: By the end of this course, students shall understand the role of international media in a more globalized world, including media's role in decision making process at national and international level. With the increasing number of international media and technological advance, abundant supply of information is becoming available, making it difficult to distinguish the right and valuable information appropriate to be used as the basis for decision making.

INTR6071 - RESEARCH PROPOSAL WRITING IN MEDIA, INTERNATIONAL ORGANIZATION, AND GLOBAL GOVERNANCE (4 Credits)

Learning outcomes: By the end of this course, students shall be able to write a research proposal on a topic specifically related to (International) media, international organizations, and global governance. The final result is a research proposal that contains aspects existing in the first chapter of the thesis.

INTR6072 - RESEARCH PROPOSAL WRITING IN MNC (4 Credits)

Learning outcomes: By the end of this course, students shall be able to write a research proposal on a topic that specifically concerns with Multinational Corporation and its related areas. The final result is a research proposal that contains aspects existing in the first chapter of the thesis.

INTR6073 - RESEARCH PROPOSAL WRITING IN SECURITY STUDIES (4 Credits)

Learning outcomes: By the end of this course, students shall be able to write a research proposal on a topic specifically related to security issues. The final result is a research proposal that contains aspects existing in the first chapter of the thesis.

INTR6074 - RESEARCH PROPOSAL WRITING IN TRADE AND BUSINESS DIPLOMACY (4 Credits)

Learning outcomes: By the end of this course, students shall be able to write a research proposal on a topic specifically related to trade and business diplomacy. The final result is a research proposal that contains aspects existing in the first chapter of the thesis.

INTR6075 - INTERNATIONAL LAW ISSUES AND INTERNATIONAL DISPUTE SETTLEMENT (4 Credits)

Learning outcomes: By the end of this course, students shall 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.

INTR6076 - ASEAN COMMUNITY: SECURITY, ECONOMIC, AND SOCIO-CULTURAL ASPECTS (4 Credits)

Learning outcomes: By the end of this course, students shall understand ASEAN community as a form of regional cooperation and integration that rests on three pillars, namely economic, socio-cultural, and security.

Topics: Lectures and seminars on ASEAN history, integration processes of economic pillar, socio-cultural pillar and political security pillar of ASEAN; impact of ASEAN community for its member states and the community foreign relations. The course also discusses challenges and benefits of the community particularly Indonesia.

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: The main objective of this course is 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: By the end of this course, students shall 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: By the end of this course, students shall 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: This course examines the 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. At the end of this course, students shall 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: This class is designed 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: The main objective of this course is 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: The objective of this course is 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

INTR8087 – AN ASEAN COMMUNITY: SECURITY, ECONOMIC AND SOCIETY (4 Credits)

Learning outcomes: By the end of this course, students shall understand ASEAN community as a form of regional cooperation and integration that rests on three pillars, namely economic, socio-cultural, and security. Students will examine the extent to which ASEAN is really a “community” in terms of security and economic policies. ASEAN’s belated engagement with civil society will also be discussed.

Topics: The Cold War in Southeast Asia, The founding of ASEAN, ASEAN as a Security Community, Conflict resolution and the ASEAN Way, ASEAN external relations, The South China Sea dispute, Economic policy and the AEC, Terrorism and Transnational Crime in Southeast Asia, ASEAN’s and civil society.

INTR6088 – THESIS WRITING WORKSHOP (2 Credits)

Learning outcomes: By the end of this course, students shall 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.

INTR6093 - RESEARCH PROPOSAL (4 Credits)

Learning outcomes: By the end of this course, students shall 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.

INTR6094 – MULTIDISCIPLINARY SKILLS (4 Credits)

Learning outcomes: This course is designed for students 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.

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 indentify government structure, describe the rule of government, and analyze the government policies.

Topics: Trias Politica, interest group, social & economy policy, Japanese Multi National Cooperation, development strategy, local economy, and many more.

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

ISYE6044 – PROJECT MANAGEMENT (4 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

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 (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify ergonomics problem; Use antropometric data in design, use basic of bio mechanical formulas, cognitive ergonomics concepts and formulas, and physiological concepts to analyze and solve human factor problem; Illustrate the relationships between the human and the machine at workplace environment; Recognize or Intreprate what kind environment that affect work system efficiency; Write or create human factor analysis report.

Topics: Introduction; Human Body & Anthropometry; Workplace, Equipment, 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; Body and Mind Working Together; Job Design to Avoid Monotonous Task.

ISYE6061 – MANUFACTURING PROCESS (4/2 Credits)

Learning Outcomes: By the end of the course, students 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.

ISYE6062 – FINANCIAL ENGINEERING (4 Credits)

Learning Outcomes: At the end of the 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 CHAINS (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: Overview of Global Supply Chain; Global Sourcing and Trade; Global Supply Chain Management; Strategic Planning; Transportation Planning; Intermodalism and Land Transportation; Air, Ocean, and Port Facilities; 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 (rough capacity planning); Calculate floor space requirements; Interpret computer based facility layout optimization tools (not CAD / CAM)

Topics: Facilities Location; Flow Analysis; Activity Relationship Analysis; Process Design; Space Requirements; Material Handling; Layout Planning Models; Facilities Design for Various Facilities Function; Facilities Design - The Layout; Review

ISYE6075 – SYSTEM 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: Upon completion of the course, students 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.

ISYE6114 - WAREHOUSE MANAGEMENT SYSTEMS (4 Credits)

Learning outcomes: This course will introduce 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: 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.

ISYE6117 – INDUSTRIAL PRACTICE (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define a problem considering the responsibilities, capabilities and constraints in time, budget, information, and other resources; Identify relevant factors and collect the related data and information via observations and communications; Apply methodologies studied in the curriculum to model and solve the problems analytically and computationally, clearly and logically; Use library, online and other resources to acquire knowledge; Demonstrate ability to communicate to the stakeholders including advisor, supervisor and evaluator in one-on-one, formal presentations, and report; Demonstrate ability to work effectively in given projects that includes managing the project, time and communicate with other stakeholders.

Topics: Working in teams, exploring primary sources, evaluating and interpreting information, proposal and report, analytical report; Oral Presentation

ISYE6126 - BUSINESS ETHICS & TECHNICAL COMMUNICATION I (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Differentiate multi modal (written, oral, visual, electronic, and nonverbal) communication strategies; Employ informative and persuasive

approaches to speech and writing; Propose the potential showcase of business project; Examine ethical and linguistic problems in workplace communication using multimodal media.

Topics: Introduction to Technical Communication; Preparing an Effective Technical Document; New Product Development; Customer Insight and Market Analysis; Process Design; Research Process; Prototyping Products or Services; Business Environment; Visual, Design, and Usability Elements; Evaluate Product or Services Prototype; Oral Presentation

ISYE6119 – SPECIAL TOPICS I (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

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

ISYE6121 - BUSINESS ETHICS & TECHNICAL COMMUNICATION II (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

ISYE6122 - SPECIAL TOPICS II (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

ISYE6123 – DETERMINISTIC OPTIMIZATION (3 Credits)

Learning Outcomes: At the end of this course, students 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; Transshipment Problems; Network Models; Modeling Integer Programming; Solving Integer Programming.

ISYE6124 - SYSTEM ENGINEERING & ANALYSIS (3 Credits)

Learning outcomes: This course will introduce the philosophy of Industrial engineering, subject matter covers in industrial engineering, aims, goals, and basic method and technique in industrial engineering. Students will be able to explain the definition of industrial engineering and the evolution of its approach in solving problem. Students also will understand about concept and scope of industrial engineering, evolution of industrial engineering approach, concept of manufacturing system, design of manufacturing system, operation and management of manufacturing system. By learning this course, students will understand about discipline and role of industrial engineering in organization.

ISYE6125 – QUALITY ENGINEERING (3 Credits)

Learning Outcomes: At the end of this course, students 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.

SUBJECT AREA: ISYS**ISYS6005 - ACCOUNTING INFORMATION SYSTEMS (4/2)**

Learning Outcomes: 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 Gantt charts; 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: Describe 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; Describe Current Trends in Technology and Application Software

Topics: Investigating and Modelling System Requirements; Domain Modelling; Extending the Requirements Models; Essentials of Design and the Design Activities; Designing the User and System Interfaces; Object-Oriented Design : Principles; Object-Oriented Design : Use Case Realizations; Design Databases, Controls, and Security; Making the System Operational; Current Trends in System Development

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 successful 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 Attributes; 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.

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

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

ISYS7052 – IS RISK MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze industry practices in the area of risk assessment and mitigation; Utilize well-known risk management approaches and methodologies; Design an IT portfolio addressing technological issues with its human resources within organization regarding risk management; Recommend effective risk assessment and mitigation practice.

Topics: Information Security Risk Management Imperatives and Opportunities; Information Security Risk Management Defined; Information Security Risk Management Standards; A Survey of Available Information Security Risk Management Methods and Tools; Methodologies Examples: Cobit and Octave; Risk Management Issues and Organization Specifics; Assessing Organization and Establishing Risk Management Scope; Identifying Resources and Implementing The Risk Management Team; Identifying Assets and Organization Risk Exposures; Remediation Planning and Compliance Reporting.

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 Theoretical Review; Presentation Concept; General Description of Research's Object for Accounting Information System Project; Discussion; Doing Presentation and Collecting of research result.

ISYS8066 – BUSINESS PROCESS MANAGEMENT (4 Credits)

Learning Outcomes: After completing this course, student will be able to: Understand about motivation for business process management from a high-level point of view; Understand about evolution of enterprise system architectures; Understand about business process modelling by investigating abstraction concepts and introducing the main subdomains of business process modelling; Understand about process orchestrations; Understand about process choreographies; Understand about properties of business processes; Understand about evaluating business process management architectures; Understand about development of business process management solution.

Topics: Foundation of business process; Evolution of enterprise system architectures; Business process modelling foundation; Process orchestrations; Process choreographies; Properties of business processes; Business process management architectures; Business process methodology.

ISYS6078 – DATABASE DESIGN AND APPLICATION (2/1 Credits)

Learning Outcomes: After completing this course, student will be able to: Recognize database environment and the technique to support designing database; Differentiate fact finding Techniques; Illustrate database design using modelling techniques; Organize normalization techniques; Design databases which includes conceptual, logical, and physical modelling.

Topics: Database Environment; Database Planning, Design, Administration; Fact Finding Techniques; Entity Relationship Modelling; Enhanced Entity Relationship Modelling; Normalization; Advanced Normalization; Methodology – Conceptual Database Design; Methodology – Logical Database Design; Methodology – Physical Database Design; Methodology – Monitoring; Monitoring and Tuning the Operating System.

ISYS6079 – E-BUSINESS SYSTEM (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; Relate e-business to corporate strategies; Design e-business strategy.

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

ISYS6084 – DATABASE (2/2 Credits)

Learning Outcomes: By the end of this course, the students will be able to: Create database and prepare data and tables that appropriate to the requirement of organization.

Topics: Introduction to Database; Database Environment; The Relational Model; SQL: Data Definition; SQL: Data Manipulation; SQL: Data Manipulation; Commercial RDBMSs.

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.

ISYS6093 – INFORMATION SYSTEM CONCEPT (4 Credits)

Learning Outcomes: By the end of this course, students 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: The Modern Organization Functioning in a Global Environment; Information Systems and the Modern Organization; Managing Knowledge and Data; Electronic Commerce: Applications and Issues; Information Systems that Support Organizations; Case Study Discussion 1; Ethics and Privacy; Information Security; Customer Relationship Management and Supply Chain Management; Managerial Support Systems

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

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

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.

ISYS6118 – MANAGEMENT INFORMATION SYSTEMS (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

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: By the end of this course, the students 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: At the end of this course, the students 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.

ISYS7159 – APPLIED ERP II (2 Credits)

Learning Outcomes: By the end of this course, the students will be able to: Explain the process of making, changing and performing principle data in sales and distribution; Explain the relation between sales and distribution, material management, production, and accounting area; Make analysis and report of the processes of sales and distribution.

Topics: Enterprise structures in Sales and Distribution, Overview of Sales Processes, Master data in Sales and Distribution, Sales and Distribution processes - Data determination and collective processing, Availability check, Make – to – order, Complaints processing, Analysis for sales and distribution processes.

ISYS7160 – APPLIED ERP III (2 Credits)

Learning Outcomes: By the end of this course, the students will be able to: Create material master records, vendor master records, and purchasing information records; Create purchase requisitions, requests for quotations , contracts, and purchase orders; Create enter goods receipts and incoming invoices and display the documents generated when they are posted; Analyze analyze the postings that occur when goods receipts and invoices are entered; Differentiate differentiate between the moving average price material valuation procedure and the standard price valuation procedure; Perform perform simple analyses price valuation procedure.

Topics: Navigation; Basics of Procurement; Master Data; Procurement of Stock Material; Procurement of Consumable Material; Procurement of External Services; Automated Procurement; Reporting and Analysis Functions.

ISYS7161 – APPLIED ERP IV (2 Credits)

Learning Outcomes: By the end of this course, the students will be able to: Explain human capital management in MySAP module; Demonstrate business function application of human resources management with MySAP; Explain the integration of business functions in the areas of Human Resources.

Topics: Structure in Human Capital Management; Personnel Administration; Time Management; Introduction To Payroll; Recruitment; Personnel Development; Learning; Enterprise Compensation Management; Personnel Cost Planning; End User Service Delivery; Analytics.

ISYS7162 – APPLIED ERP V (2 Credits)

Learning Outcomes: At the end of this course, student be able to: Connect business processes within the company which are related to financial accounting

Topics: Navigation; General Ledger Accounting; Accounts Payable; Accounts Receivable; Asset Accounting; Bank Accounting; Preparing Financial Statements.

ISYS6163 – ADVANCED INFORMATION SYSTEM ANALYSIS AND DESIGN (4/2)

Learning Outcomes: On completion this course, students will be able to: Explain Design , plan and monitor Activities in Iterative and Agile Systems Development Lifecycle; Design a good user interface and system interface , application architecture and software, databases, system controls, and security in a proposed business model based on Business Trend and Market Forces; Create showcase the proposed potential business project; Explain implementation and deployment activities in iterative and agile systems development life cycle; Analyze the potential business project using business model framework and assess the proposed potential business project

Topics: Essentials of Design and the Design Activities; Customer Insight and Market Analysis; Business Model Environment; Designing the User and System Interfaces; New Product / Service Development; Design Process; Object-Oriented Design: Principles; Use Case Realization; Use Case Realization Case Study and Entrepreneurship Expo; Databases, Controls, and Security; Project Planning and Project Management; Making the System Operational; Evaluating Product / Services Prototype

ISYS6169 - DATABASE SYSTEMS (4/2 credits)

Learning Outcomes: On completion this course, students will be able to: Describe database system, database terminology, environment, 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 Manipulation; SQL – Data Definition; Advanced SQL; Query Processing; Security and Administration; Transaction Management; Database System Development Live Cycle; Database Analysis; Normalization; Advanced Normalization; Entity Relationship (ER) Modeling; Enhanced Entity-Relationship Modeling; Distributed DBMSs—Concept and Design; Web Technology and DBMS; 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: Create ERD and EERD; Create a design of database system based on Database Lifecycle approach; Describe the development process of database systems according to user's specification and requirement.

Topics: Design of Relational Database Model; Design of Logical Database Model, Design of Conceptual Database Model; Design of Physical Database Model; Database Design for DDBMS and OODB; Database design for WEB application and Data Warehouse; Database design presentation with Lifecycle Database Approach; Database Requirement collecting and analysis; Operational System Monitoring and Tuning; Redundancy control on Operational system; Data Entity dictionary; Entity Relationship Diagram and Enhanced Entity Relationship diagram; Database Lifecycle.

ISYS6173 – HOTEL MANAGEMENT INFORMATION SYSTEM (2 credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the concepts of information systems; Explain concepts of using modern information systems; Illustrate the application of information systems in the hospitality world.

Topics: The modern organization functioning in a global environment; Technology guide 1 basic of computer hardware; Technology guide 2 basic of computer software; Technology guide 4 basic of network; 1st Case Study; Information systems and the modern Organization; Information that support organizations; Network applications,

distance learning and telecommuting; Electronic Commerce; 2nd Case Study; Information systems and decision making.

ISYS8175 – E-BUSINESS STRATEGY AND IMPLEMENTATION (4 Credits)

Learning Outcomes: After completing this course, student will be able to: Demonstrate ability in analyzing aspects related to ebusiness strategy and its implementation.

Topics: All aspects of e-business including strategy, digital marketing and supply chain management, E-Business and E-Commerce Management

ISYS6178 - MANAGEMENT INFORMATION SYSTEM (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the concepts of Information Systems; Explain Information Technology for competitive advantage; Explain which Information Systems can solve the problem; Explain the methodology of system development; Apply management challenges by using information technology

Topics: Foundation Concepts: Information Systems in Business; Foundation Concepts: The Components of Information Systems; Fundamentals of Strategic Advantage; Using Information Technology for Strategic; Technical Foundations of Database Management; Managing Data Resources; The Networked Enterprise; Telecommunications Network Alternatives; Computer Systems: End User And Enterprise Computing; Application Software: End-user Applications; E-business Systems; Functional Business Systems; Getting all the Geese Lined Up: Managing at the Enterprise Level; Supply Chain Management: The Business Network; e-Commerce Fundamental; e-Commerce Applications and Issues; Supporting Decision Making; Advanced Technologies for Decision Support; IT Planning Fundamentals; Implementation Challenges; Developing Business Systems; Implementing Strategic Business Systems; Security, Ethical, and Societal Challenges of IT; Security Management of Information Technology; Overall Course Review; Overall Course Review

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

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; Integrate Connecting an integrated business process; Outline the roles of Information Technology in Business Process and Organizational activities to achieve its goals.

Topics: Introduction; Business Processes; System Documentation; Ethics, Fraud, and Internal Control; The REA Approach to Database Modeling; The Revenue Cycle; The Expenditure Cycle; The Production Cycle; The General Ledger and Financial Reporting Cycle; The HR management and Payroll Cycle; Enterprise Resource Planning Systems.

ISYS6187 – BUSINESS WEB SOLUTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify standards for web technology; Recognize infrastructure for website development and operation; Apply digital media for creating web content.

Topics: HTTP protocol; Presentation abstractions; Web-markup and display languages; Client-side programming; Server-side programming; Web services; Web servers; Emerging technologies; Standards & standards bodies; Hypertext/hypermedia (Effective communication, Interfaces, Navigation schemes, Media types); Web design process (User modeling and user-driven design, Web design patterns, Information organization; Usability, N-Tier architectures); Digital libraries; Media formats; Capture, authoring and production tools; Compression; Streaming media.

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, student will be able to: 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; Data: Business Intelligence; Enterprise Applications: Business Communications; Systems Development and Project Management: Corporate Responsibility; Review all the materials in the semester.

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 : Explain business foundation and business objectives ; explain the business processes and related problems; create the business IT based solutions; select and use the best method for developing the information system proposed; create system development project plan and feasibility; Investigation and modeling the user requirements; design and specifying systems architectural; design and specifying the system components; build and test the system; demonstrate system capabilities ; create implementation and deployment plan.

Topics: Overview the business foundation and business objectives ; business-processes modeling and problems analysis; overview the business IT application ; Information System development methods ; Information system development project plan and feasibility; investigation and modeling the user requirements ; Selection IT support, software tools for building and running the system ; validation and verification of the system specification; Controlling the system construction and testing; System demonstration and Evaluation; Documenting System Development Project.

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).

ISYS6194 - APPLIED TOPICS IN 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 (3); Paper writing for applied topics in IS (3).

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 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.

ISYS6197 - BUSINESS APPLICATION DEVELOPMENT (2/2 Credits)

Learning Outcomes: At the end 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: 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; 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; Outlier Detection; Data Mining Trends and Research Frontiers; Introduction of Text Mining; Text mining pre-processing Technique; Categorization; Clustering; Information Extraction; Probabilistic models for IE; Link Analysis; Text mining application.

ISYS6200 – DATA WAREHOUSE (4/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: 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; Analyse 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; Executive Information System and the Data Warehouse; ERP and the Data Warehouse; The Data Warehouse and the Web; Data Warehouse Design and Building Review; Data Warehouse in Retail Sales: A Case Study.

ISYS6201 - DATA WAREHOUSE AND DATA MINING (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic concepts and architecture of data warehouse and data mining concepts and techniques; Analyze 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 strategy of design and implement data warehouse and data mining that appropriate to the need.

Topics: The Data warehouse Environment; The Data Warehouse and Design; The Data Warehouse and Technology; The Distributed Data Warehouse; External/Unstructured Data and the Data Warehouse; Data Warehouse Design and Building Review; 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; Data Mining Trends and Research Frontiers.

ISYS6202 – SOCIAL INFORMATICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic of strategic information system and corporate information systems concept; Classify management support systems activities;

Analyze problems in management support systems; Design prototype strategy information system for decision support systems in business.

Topics: Decision Support Systems and Business Intelligence; Decision Making, Systems, Modeling, and Support; Decision Support Systems Concepts, Methodologies, and Technologies : An Overview; Modeling and Analysis; Data Mining for Business Intelligence; Data Warehousing; Business Performance Management; Collaborative Computer Supported Technologies and Group Support Systems; Knowledge Management; Management Support Systems : Emerging Trends and Impacts.

ISYS6203 – MOBILE APPLICATIONS DEVELOPMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Discuss fundamental of e-commerce and e-business; Apply e-business strategy and applications; Design e-business implementation and maintenance.

Topics: Introduction to e-business & e-commerce; E-commerce fundamentals; E-Business infrastructure; E-environment; E-Business strategy; Supply chain management; E-procurement; E-Marketing; Customer Relationship Management; Change Management; Analysis and Design; Implementation and Maintenance.

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: At the end of study the student will be able to describe how EA helps integrate strategy, business and technology; Will be able to demonstrate to design of the EA Cube Framework; Will be able to use the purpose of summaries of the current and future architecture; Will be able to 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 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; The Enterprise Architecture Repository and Support Tools.

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 management.

ISYS6207 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to professional attachment program (1); Apply information system competencies in organization.

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment.

ISYS6208 - PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to professional attachment program (2); Apply information system competencies in organization.

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment.

ISYS6209 - USER EXPERIENCE (2/2)

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 Business, 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 Persona; 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 professional attachment program (1); Apply information system competencies in organization

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment

ISYS6216 – COMPUTER ASSISTED AUDIT TOOLS & TECHNIQUES I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the role of information technology on the audit process and perform data analysis operation using features of ACL; Identify audit objectives and internal control issues related to the accounting cycles and perform test of controls and substantive test related to the accounting cycles using ACL; Analyze fraudulent behavior, fraud motivation, and fraud schemes and perform techniques using ACL to detect fraud both in manual systems and computer systems

Topics: The Impact of Information Technology on The Audit; Computer-Assisted Audit Tools & Techniques (CAATTs); Overview Software Audit ACL version 8; Access Data & Verify Data Integrity; Summarizing Data; Working with Multiple Table; Examining Sequential Data & Extracting, Exporting Records; ACL for Auditing the Revenue Cycle (ST, TOC, Test of Detail of Balances); ACL for Auditing the Expenditure Cycle (ST, TOC, Test of Detail of Balances); ACL for Auditing the Production Cycle & Inventory Systems (ST, TOC, Test of Detail of Balances); ACL for Auditing the Personal Cycle & Payroll Systems (ST, TOC, Test of Detail of Balances); Auditing with ACL for ERP Systems; Systems Development and Program Change Activities for Internal Control and Auditing.

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

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

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.

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 – IS 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: Describe the foundation for testing project; Describe bug tracking database; Explain testing using spreadsheet; Manage execution testing process and testing team; Perform implementation testing plan.

Topics: The Foundation for Testing Project; Plotting and Presenting Your Course: The Test Plan; The System Architecture, Cases and Coverage; A Bug Tracking Database; Managing the Test Case: Using Spreadsheet; Managing the Dynamic; Stocking and Managing a Test Lab; Staffing and Managing a Test Team; Implementation.

ISYS6265 – IT GOVERNANCE (4 Credits)

Learning Outcomes: After finishing this course, Student will be able to: Show the relationship between the company's business success with the application of IT Governance.

Topics: IT Governance Simultaneously Empowers and Controls; Five Key IT Decisions: Making IT a Strategic Asset; IT Governance Archetypes for Allocating Decision Rights; Mechanisms for Implementing IT Governance; What IT Governance Works Best; Linking Strategy, IT Governance and Performance; Government and Not for Profit Organizations; Leadership Principles for IT Governance.

ISYS6266 – BUSINESS CONTINUITY AND DISASTER RECOVERY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the Business Continuity and Disaster Recovery Plan Overview; Explain the Business Continuity and Disaster Recovery Plan Component; Design the Business Continuity and Disaster Recovery Plan Development; Appraise the Business Continuity and Disaster Recovery Plan Testing; Manage the Business Continuity and Disaster Recovery Plan Maintenance

Topics: Business Continuity and Disaster Recovery Overview; Project Initiation; Risk Assessment; Business Impact Analysis; Mitigation Strategy Development; Business Continuity/Disaster Recovery Plan Development; Emergency Response and Recovery; Training, Testing and Auditing; Business Continuity/Disaster Recovery Plan Maintenance

ISYS6269 – PROFESSIONAL ATTACHMENT PROGRAM (8 Credits)

Learning Outcomes: 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: Applied Topic in Accounting Information Systems; Paper writing for applied topics in AIS.

ISYS6277 – DATABASE SYSTEMS (2 credits)

Learning Outcomes: At the end of this course, students will be able to: Describe database system, database terminology; Apply database language and SQL programming language; Evaluate and analysis database processing for applications in the food industries.

Topics: Introduction to Databases; Database environment; SQL-Data Manipulation; SQL-Data Definition; Query processing; Database analysis.

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_driveing 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 strategic and operational aspects of Information Security; Analyze strategic and operational aspects of Information Security in cases; Evaluate strategic and operational aspects of Information Security in cases

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

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; Enhancing the Quality of Open Data; Information Quality and Evidence Law; Information Quality: Purpose and Dimensions; Big Data and Information Quality; Information Quality in Clinical Research.

ISYS6345 - EXPERIENCE IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: construct scientific writing related to professional attachment program (1); Apply information system competencies in organization

Topics: Internship at industry/research/IS Business Start Up/study abroad/ Social and community empowerment

ISYS6346 - PROFESSIONAL PROGRAM IN INDUSTRY (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: On successful completion of this course, student will be able to: report applied topics in Accounting Information system for organization; apply Information Systems tools/technology for organization

ISYS6347 - PROFESSIONAL PROGRAM IN INDUSTRY (8 Credits)

Learning Outcomes: 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.

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

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: After finishing this course, student are 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.

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; COBIT-From IT Audit to GEIT; Overview of COBIT 5-Governance of Enterprise IT; The Seven Enablers of COBIT 5; Domains and Processes; Implementation of GEIT with COBIT 5; COBIT 5 Process Assessment Model; COBIT 5 Resources; Who Needs the IT Developer?; Who are Our Next 10 Customers in IT Developer Business?; High Specifications of IT Developer Business; Quantifying the Value Propositions in IT Developer Prods/Services; Where is Your Positions? (Chart Competitive Position); Designing Business Model of IT Developer Business.

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.

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

SUBJECT AREA: JAPN

JAPN6003 – CONVERSATION AND LISTENING COMPREHENSION I (KAIWA TO CHOOKAI I) (4 Credits)

Learning Outcomes: By the end of this course, students 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: By the end of this course, the students will be able to: Cite conversations from the given learning materials; Apply Japanese grammars and expressions in the form of simple conversation as well as to understand the given learning materials; Use basic Japanese grammars and expressions learnt not only from one particular chapter of the materials, but also by combining with other chapters to make longer conversations.

Topics: Midori chou made onegaishimasu; Gokazoku wa?; Tsukaikata wo oshiete kudasai; Dou shimashitaka?; Shumi wa nandesuka?; Daietto wa ashita kara shimasu; Review (Chapter 14-19); Isshoni Ikanai?; Watashi mo sou omoimasu; Donna heya wo osagashi desuka?; Dou yatte ikimasuka?; Tetsudai ni ikimashouka?; Iroiro osewa ni narimashita.

JAPN6005 – CONVERSATION AND LISTENING COMPREHENSION III (KAIWA TO CHOOKAI III) (4 Credits)

Learning Outcomes: After completing this course, the students 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 Tsukururun 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: Students are able to make scientific writing to fulfil one of the requirements in completing their study.

Topics: All of data that are relevant with preferred topic of the thesis that consists of Japanese study such as of society and culture, history, linguistics and literature.

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 process of the create of Japanese history periode; Describe politic and society condition in a period.

Topics: Origin of Japan; The Making of a Monarchy; Buddhism and Chinese Culture; The Ebbing of the Chinese Tide; Japanese Feodalism; Medieval Culture 1200-1450; The Unifiers; Relations with Asia and Europe 1500 -1700; Edo Society; Edo Culture; The Coming of The West 1840 -1873; The Modern State.

JAPN6019 – IMAGES OF JAPAN (NIHON JIJOU) (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize Students are able to recognize Japanese geography, society and culture; Describe Students are able to describe Japanese life and culture; Explain Students are able to explain Japanese prefectures, life and culture

Topics: This is Japan; Japanese Clothing and Japanese Currency; Japanese Food; Japanese Housing; Japanese Transportation and Accommodation; Religion and Belief in Japan; Japanese Life Cycle; Annual Event and National Holidays; Japanese Culture and Sport; Hokkaido, Tohoku Region (Pref Aomori, Iwate, Yamaguchi, and Fukushima) and Kanto Region (Pref Chiba, Saitama, Kanagawa); Kinki Region (Pref Nara, Kyoto-fu, Osaka-fu, Hyogo); Chubu Region (Pref. Aichi, Gifu, Ishikawa and Toyama) and Chugoku-Shikoku Region (Pref Yamaguchi, Shimane, Hiroshima, Kochi); 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 patterns of Japanese society; Explain social phenomena that arise in modern Japanese society.

Topics: Modern Japanese Society; Japanese Thought and Religion; Shinto, Buddhism and Confucianism in Japan; Bushido and Christianity in Japan; Social Patterns of Japanese Society; Minority Group; Modern Japanese Education; Modern Japanese Woman; Social Problem; Japanese Culture

JAPN6029 – JAPANESE PHONOLOGY AND MORPHOLOGY (NIHON NO ONSEIGAKU TO KEITAIGAKU) (2 Credits)

Learning Outcomes: After completing this course, the students will be able to: Adopt the Japanese vocal and consonant to produce good intonation in speaking; Build natural sentences which Japanese using in the formal and informal situation; Analyze Japanese sentences

Topics: Japanese Phonetic; Onsets to mora; Accent to intonation; Japanese Phonology; On'in; Japanese Morphology; Gorui/ Hinshi; Gokeisei

JAPN6032 – JAPANESE WORK ETHICS (BIJINESU MANA-) (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: 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: By the end 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: By the end of this course, the students will be able to: Reproduce basic Japanese grammars and expressions from the text book orally as well as in forms of writing; Give examples of basic Japanese grammar and expressions; Use basic Japanese grammars and expressions learnt not only from one particular chapter of the text book, but also by combining with other chapters to express their mind in longer sentences.

Topics: Midori chou made onegaishimasu; Gokazoku wa?; Tsukaikata wo oshiete kudasai; Dou shimashitaka?; Shumi wa nandesuka?; Daietto wa ashita kara shimasu; Review (Chapter 14-19); Isshoni ikanai?; Watashi mo sou omoimasu; Donna heya wo osagashi desuka?; Dou yatte ikimasuka?; Tetsudai ni ikimashouka?; Iroiro osewa ni narimashita.

JAPN6054 – JAPANESE III (NIHONGO III) (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply basic Japanese sentence patterns; Use basic Japanese sentence patterns in daily conversation; Write sentence using basic Japanese patterns.

Topics: Doko ni gomi wo dashitara ii desu ka; Nandemo tsukureru 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: By the end of this course, the 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 BUNGA KU) (2 Credits)

Learning Outcome: This course gives knowledge to the students about reading and understanding the meaning beneath in Japanese Literature. Students are required to define, classify, describe, translate, criticize, and analyze the Japanese Literature.

Topics: Identify the words in literature, translate the idiom in Japanese Literature, analyze the pun, analyze the words in literature, etc.

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: Write formal sentences in Japanese basic to intermediate level; Appraise level text containing grammar and vocabulary; Explain how to make research plan; Create how to make presentation in Japanese; Combine the grammar and vocabulary in the text and daily conversation to be used at presentation.

Topics: Bunpoo/Bunkei; Moji/Hyooki; Goi/Imi; Bunsho/Danwa; Jissenhen; Purezente-shonsukiru

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: 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: Economic Terminology; Kanji for Feelings; Verbs-5: Kanji for Transitive & Intransitive Verbs; Adjectives-3; Airport; Fukushuu 1; Geographical Features; Kanji Compounds-2; University Life; Verbs of Change; Expressions of Abstracts Ideas; Affixes-3; Fukushuu 2.

JAPN6110 – INTERMEDIATE JAPANESE (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Reproduce Intermediate Japanese grammars and expressions from the text book orally as well as in forms of writing; Give examples of Intermediate Japanese grammars and expressions; Use Intermediate 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: Riyuu wo Hanasu; Keiken wo Hanasu; Kisoku wo Kiku; Komatta Koto wo Hanasu; Tomodachi wo Sasou; Henka wo Iu; Fukushuu

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, demonstrative words, formal and informal sentences; Combine the grammar of basic Japanese sentence pattern which including greetings, demonstrative words, formal and informal sentences; Demonstrate the grammar of basic Japanese sentence pattern which including greetings, demonstrative words, formal and informal sentences.

Topics: Hiragana; Katakana; Douzo Yoroshiku; Kazoku wa sannin desu; Nani ga suki desuka; Doko de tabemasuka; Heya ga mitsu 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: 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: Shumi wo Hanasu; Chuumon suru; Ima no Koto wo Hanasu; Kyoka wo Morau; Junban wo Iu; Tomodachi to Hanasu; 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 identify the similarities & differences the Japan and Indonesia, explain the concept in various perspectives, and analyze the culture concept in Japan & Indonesia.

Topics: ideology, politic, social, culture, and many more.

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 conversation into real condition in the office. Recognize Japanese business customs. Apply Japanese business conversation in dealing business.

Topics: Company words and expressions politely, introducing yourself, introducing oneself, business cards, greetings, apologizing, permissions, gestures, and many more.

JAPN6115 - JAPANESE IN TRANSLATION I (NIHONGO HONYAKU I) (2 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.

Topic: Translation Theory: The Problem of Translation; Simple Text : Minna no Nihongo; Simple Text : Children Song; Simple Text : Children Short Stories; Simple Text : Newspaper for Children 1; Simple Text : Newspaper for Children 2; Advance Text : Nouryoku Shiken Text 1; Advance Text : Nouryoku Shiken Test 2; Advance Text : Popular Song Lyric; Advance Text : Japanese Newspaper 1; Advance Text : Japanese Newspaper 2; Advance Text : Japanese Newspaper 3

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: 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: 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 - 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,

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

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.

JAPN6126 - 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.

JAPN6127 - JAPANESE FOR SPECIFIC PURPOSE IN INDUSTRY (*OYOU 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: Use Japanese grammar correctly in daily conversation; Interact with Japanese people related to tourism in basic level; Explain about tourism in Japanese

Topics: Self Introduction: At the Airport; At the Hotel; At the Restaurant; At the park; At the Zoo; Fukushuu; Shopping; Buying souvenirs; Going to see Indonesian dance; To the Hospital; Presentation 1; Presentation 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

SUBJECT AREA: LANG**LANG6016 – FRENCH LANGUAGE I (2 Credits)**

Learning Outcomes: On successful completion of this Course, students will be able to: Demonstrate how to welcome the guests in the hotel and restaurant in French; Demonstrate how to direct the guest to the place and show the place which is asked by the guests in the hotel in French; Demonstrate how to direct the guest to the table and show the table which is asked by the guests in the hotel in French; Demonstrate how to make sure someone's identity and give something to the guest in the hotel in French; Demonstrate how to serve the guests when they ask the room in the hotel in French; Demonstrate how to serve the guests in the restaurant in French.

Topic: Welcome the guests in French; Direct the guests to the place and show the place in the hotel in French; Direct the guests to the table and show the table in the restaurant in French; Make sure someone's identity and give something to the guest in the hotel in French; Serve the guests when they ask the reservation for a room in the hotel in French; Serve the guests in the restaurant in French.

LANG6017 – FRENCH LANGUAGE II (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the available place in the restaurant in French; Take the reservation by phone in the restaurant in French; Explain the general information about: operating time, time schedule, colour, season, weather in French; Explain to the guest what they can and can't do in French; Welcome the guest (with reservation) at the hotel's reception desk in French; Fill in the guest's reservation form in French.

Topics: Take a Reservation by Phone in the Restaurant; Explanation about the Available Place in the Restaurant; General Information about: Operating Time, Time Schedule, Colour, Season, Weather; Explanation about What the Guest can and can't do; Welcome the Guest (already made a reservation) at the hotel's Reception Desk; Fill in the Guest's Reservation Form.

LANG6018 – FRENCH LANGUAGE III (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use oral and written French explaining and asking general information, such as: the entrance fee, the local currency, the distance, the transportation in oral and written French, Use oral and written French in explaining about hotel's equipments and facilities in oral and written French, Design the hotel's brochure in French, Use oral and written French in explaining the information about the facilities and equipments in the hotel's room in oral and written French, Use oral and Written 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 IV (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 accurate wording in composing sentences and paragraphs; Compose good academic essays using effective sentences; Perform paper presentation in accurate and polite manner.

Topics: Introduction: Bahasa Indonesia as Unity Language; Diction; Terms and Definitions; Effective Sentence; Scientific Writing; Paragraph; Quotation, footnotes, and bibliography; Punctuation; Paper; Paper Presentation.

LANG6028 - INDONESIAN (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify accurate wording in composing sentences and paragraphs; Compose good academic essays using effective sentences; Perform paper presentation in accurate and polite manner.

Topics: Introduction: Bahasa Indonesia as Unity Language; Diction; Terms and Definitions; Effective Sentence; Scientific Writing; Paragraph; Quotation, footnotes, and bibliography; Punctuation; Paper; Paper Presentation.

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 / menemukan 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

LANG6041 - INTERMEDIATE ARABIC I (4 Credits)

Learning Outcomes: This course continues the work undertaken in Introductory Arabic II. It introduces students to more advanced texts in Arabic. By the end of this course, students will be able to discuss a range of non-technical topics with a fair degree of fluency in reading, listening, speaking, and writing.

Topics: This course covers more advanced vocabulary (up to 300 most commonly used words) and grammatical structures relating to broader topics particularly international relations topics.

LANG6042 - INTERMEDIATE FRENCH I (4 Credits)

Learning Outcomes: This course continues the work undertaken in Introductory French II. It introduces students to more advanced texts in French. By the end of this course, students will be able to discuss a range of non-technical topics with a fair degree of fluency in reading, listening, speaking, and writing.

Topics: This course covers more advanced vocabulary (up to 300 most commonly used words) and grammatical structures relating to broader topics particularly international relations topics.

LANG6043 - INTERMEDIATE SPANISH I (4 Credits)

Learning Outcomes: This course continues the work undertaken in Introductory Spanish II. It introduces students to more advanced texts in Spanish. By the end of this course, students will be able to discuss a range of non-technical topics with a fair degree of fluency in reading, listening, speaking, and writing.

Topics: Hablar del trabajo o los estudios; Preguntar y decir con qué frecuencia; Hablar del futuro: planes y proyectos; Expresar obligación y necesidad; Descubre España y América Latina; Pedir productos alimenticios en una tienda; Pedir algo en un restaurant; Gramática; Hablar de lo que se ha hecho; Disculparse; Review.

LANG6044 - INTRODUCTORY ARABIC I (4 Credits)

Learning Outcome: By the end of this course, students 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: This course extends from Introductory Arabic I. Students will develop their skills in writing and conversation and undertake translation from and into Arabic at higher introductory level. At the end of this course, students will have achieved sufficient language competencies in reading, listening, speaking, and writing skills.

Topics: An introduction to Arabic language covering the core vocabulary (up to 200 most commonly used words) and grammatical structures of the language; question-answer interaction and a practical command of commonly occurring conversational topics/situations.

LANG6046 - INTRODUCTORY FRENCH I (4 Credits)

Learning Outcome: By the end of this course, students 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: Use the appropriate expression in oral and written French in identifying someone as well as asking and answering the inquiries in the registration process in conference situation; Use the appropriate expression in oral and written French in characterizing someone in the conference situation; Use the appropriate expression in oral and written French in accepting as well as rejecting the invitation; Use the appropriate expression in oral and written French in asking and answering the direction, the general information such as: the distance, the transportation, the local currency, as well as the weather and the season

LANG6048 - INTRODUCTORY SPANISH I (4 Credits)

Learning Outcome: By the end of this course, students undertaking Introductory Spanish I shall understand basic competencies in reading, listening, speaking, and writing.

Topics: An introduction to Spanish 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.

LANG6049 - INTRODUCTORY SPANISH II (4 Credits)

Learning Outcomes: By the end of this course, students will be able to: Explain the specific grammatical structures and vocabulary covered in the course; Demonstrate reading basic Spanish; Demonstrate knowledge of the Hispanic culture, traditions and history.

Topics: El fin de semana; Estados físicos y anuncios; Al teléfono Espectáculos; Acciones habituales (2); Hablar del trabajo o los estudios; Las comidas en España (Spanish Food); Hablar del futuro: planes y proyectos; Pedir productos alimenticos en una tienda; Hablar de lo que se ha hecho recientemente; Hablar de experiencias personales; Decir que ropa lleva otra persona; Decir lo que está haciendo; Review

LANG6052 - FRENCH LANGUAGE I (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Use Use the french verbs in the sentence based on french language regulation; Operate Operate all verbs given by using the conjugation system; Speak Express the ideas and opinions in speaking task; Write Express the descriptive related to the person, object, itinerary and all daily needs in writing task; Read Reading comprehension related to 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

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: Mastering the knowledge and skills of mid-level French with emphasis on grammar , vocabulary and speaking skills are applicable in the context of tourism

Topics: Take a Reservation by Phone in the Restaurant; Explanation about the Available Place in the Restaurant; General Information about: Operating Time, Time Schedule, Colour, Season, Weather; Explanation about What the Guest can and can't do; Welcome the Guest (already made a reservation) at the hotel's Reception Desk; Fill in the Guest's Reservation Form.

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/menemukanali 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 1; Pendekatan, Metode, Dan Teknik Pembelajaran Bahasa 2; 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 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 position of Islamic law and its contribution to develop the Indonesian legal system.

Topics: Elements of Islamic law, historical backgrounds of Islamic law in Indonesia, Islamic legal sources, schools of Islamic law, religious court and its function to address certain legal issues.

LAWS6016 - LABOR LAW (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to explain the legal principles of labor law and how to protect the rights of both laborer and employer in order to create conducive industrial relation.

Topics: Notion of labor law, industrial relation, employment agreement, termination of the agreement, labor union, and specific issues in labor law.

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 explain the rights of consumer and how to protect those rights by using both national and international legal instruments.

Topics: Notion of consumer and business actor, legal principles of consumer protection, types of consumer transaction such as in advertising, standardized contract, after-sales services, class action, NGO's legal standing, citizen lawsuit, government action, international consumer.

LAWS6029 - LEGAL RESEARCH METHODS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to design research proposal in order to conduct research in certain legal issues.

Topics: research statement, developing background, research objectives, frame of concepts, types of research methods, quotations, references, avoiding 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 explain the legal principles of administrative law in general as well as those of Indonesian administrative law in particular.

Topics: Notion of administrative law, characteristics of administrative law, legal sources of administrative law, legal subjects in administrative law, good governance, public policy, local government, and connection between administrative law and business activities.

LAWS6062 - PRIVATE INTERNATIONAL LAW (2 Credits)

Learning outcomes: On successful completion of this course, students will be able to Explain the main idea of Private International Law by studying the background, development, subject & sources etc; Analyze the leading case and the major problems in Private International Law; Analyse of dispute resolution through arbitration in Private International Law.

Topics: Introduction to Private International Law; History of Private International Law; Connecting Factors in Private International Law; Qualifications in Private International Law; Theories Qualification in Private International Law; Renvoi in Private International Law; Incidental Question; Public Order and Rights Acquired; Jurisdiction of the Court and Arbitration; Principles of Private International Law in subject, family and property law; Principles of Private International Law in agreement and tort; Implementation of Foreign Court Decisions in Indonesia; Recognition and Enforcement of Foreign Arbitral Awards in Indonesia.

LAWS6071 – INTRODUCTION TO COMMERCIAL AND PRIVATE LAWS (2 Credits)

Learning Outcomes: By the end of this course, the students 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.

LAWS6074 - LAW IN INTERNATIONAL BUSINESS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic idea [background, development, subject & courses] of international trade law; analyze the issue L/C as payments system in international business, including CISG, TRIPS; Analyze the GATT as the main regulation in international trade law, including the settlement dispute in WTO.

Topics: An Introduction to International Trade Law; Development and Principles of International Trade Law; Unification and Harmonization of International Trade Law; Subjects International Trade Law; Sources International Trade Law; Letter of Credit [L/C] in International Trade Law; UN Convention on Contracts for the International Sale of Goods 1980; TRIPS in International Trade Law; GATT in International Trade Law; Arbitration: Law of Overview 30 of 1999; Dispute Resolution International Trade Law; Trade in the WTO Dispute Settlement

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; Industrial Relation; Capital Market Law; Antitrust; Consumer Law; Bankruptcy; Alternative Dispute Settlement

LAWS6079 – LEGAL ASPECT IN ECONOMICS (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the scope of law relating to business and marketing communication fields; Explain the basic principles of law relating to business and

marketing communication fields; Apply the use of basic concepts of law in business and marketing communication; 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

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 understand the fundamentals of Indonesian legal system as an important foundation for students to review the Indonesian positive law.

Topics: Elements of Indonesian legal system, historical backgrounds of Indonesian legal system, Indonesian legal codifications, legal pluralism, legal sources and hierarchy in Indonesian positive law, application of legal principles in Indonesian positive 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 Constitutional Law concepts; Analyse the theory of Constitutional law; Analyse the theory of Constitutional law; Analyse of the Constitutional Law Implementation.

Topics: Philosophy of the Constitutional Law; Study and Sources of Constitutional Law; Law and Constitutional Theory; Theory of Legislation; Political Parties and The Elections; Legislative Institutions; Presidency institution; Judicial Power in the perspective of Constitutional law; Citizenship; Human Rights; Good Governance; Regional Autonomy; 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 sovereignty, 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 implement the principles of procedural laws addressing private, criminal, and administrative legal problems in their respective courtroom.

Topics: legal standing, legal jurisdiction, law of evidence, legal documents, line of actions, and role-playing in moot court.

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; Transparencies 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 Indonesian Financial System; Bank Establishment; Bank-Customer's relation and Custome; Protection's in Banking sector; Customer Due Diligence/Enhance Due Diligence; Sources of Banking Funds; Banking Products & Services; Banking Secrecy & Confidentiality; Banking Crime; Bank Based on Syariah Principles; 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 apply the mechanism on dispute resolution as the alternatives from conventional private procedures in the courtroom.

Topics: Notion of ADR, characteristics of ADR, concepts and practices of negotiation, mediation, conciliation, arbitration, and cases that can be settled in ADR mechanism.

LAWS6094 – CYBER LAW (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Cyber law in Indonesia; Use Related legislation to solve legal problems; Justify legal problem and recommend legal solution

Topics : Introduction to Cyber I; Introduction to Cyber II; Cyber Regulation in Indonesia I; Cyber Regulation in Indonesia II; Cyber Law Component I; Cyber Law Component II; Telecommunication Law I; Telecommunication Law II; Media Law I; Media Law II; Information I; Information II; Privacy and Media I; Privacy and Media II; IPR in Cyber I; IPR in Cyber II; Cyber Market I; Cyber Market II; Cyber Crime I; Cyber Crime II; Freedom of Expression I; Freedom of Expression 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 explain the legal principles of e-commerce and how to protect data privacy as new technologies and new institutional practices emerge.

Topics: Notion of e-commerce and data privacy, telematics, fair information practices, media law, electronic evidence, security procedure.

LAWS6098 - LEGAL PHILOSOPHY & LEGAL ETHICS (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to recognize various main schools of legal thought based on the ontological, epistemological, and axiological points of view; and to analyze the morality consequences in certain actions of legal practitioners.

Topics: Notion of legal philosophy, characteristics of legal philosophy, classical schools of legal thought, main issues in legal philosophy, theory of ethics, types of ethics, legal professional ethics.

LAWS6099 - LEGAL REASONING (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to apply the principles of legal reasoning in analyzing certain legal issues emerged in fundamental legal documents such as regulation and/or court decisions.

Topics: Notion of legal reasoning, characteristic of legal reasoning, structure of legal norms, structure of facts, theory of interpretation, types of interpretation, types of argument, decision making, fallacies in legal reasoning.

LAWS6100 - CAPITA SELECTA (4 Credits)

Learning outcomes: On successful completion of this course, students will be able to up-date information regarding the latest development in selected various areas of law.

Topics: law related to current business activities, such as environment law and natural resources, corporate responsibility, accountancy related to law, taxation, etc.

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.

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.

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.

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: Understand basic concepts of linear algebra; Understand basic concepts of Multivariable Calculus and its application; Understand basic concepts of Complex Function and its application.

Topics: Linear Algebra: Matrix, Vector, Determinant, Inverse, Eigen Value, Eigen Vector; Multivariable Calculus: Vector Derivative, Grad, Div, Curl, Vector Integral, Teorema Green, Theorem Stokes; Complex Function: Complex Number, Elementary Function, Complex Derivative, Complex Integral.

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: At the end of this course, the students will be able to: Select proper hypothesis testing; Find point estimator and interval estimator from population parameter; Find array limit random variable; Describe the techniques of statistical inferences; Conclude statistics' hypothesis.

Topics: Sampling and sampling distribution; Limit distribution; Central limit theorem; Point estimation; Interval estimation; Hypothesis testing.

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 - ALJABAR LINEAR TERAPAN (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 Cryptography

MATH6019 – 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.

MATH6021 – REAL ANALYSIS (4 Credits)

Learning Outcomes: After finishing this course, the students should 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 lebesgue 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 first order differential equation with one-degree and its application; Explain first order differential equation with n-degree and its application; Explain higher order differential equation and its application; Explain differential equation system and its application

Topics: Basic Concept of Differential Equation (DE); First Order Differential Equation With One Degree As A Seperable Equation; Linear and Non-Linear Differential Equation With One Degree-1; Exact Differential Equation; Integrating Factor; Linear and Non-Linear Differential Equation With One Degree-2; First Order Differential Equation With N-Degree; Application of First Order Differential Equation; Higher Order Differential Equation; The Method of

Undetermined Coefficient; The Method of Variation of Parameters; Application of Linear Differential Equation; System of Differential Equations.

MATH6023 – COMPLEX VARIABLE FUNCTION (4 Credits)

Learning Outcomes: At the end of this course, the students 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: Explain Basic Knowledge of PDE and its application; Explain An Analytical and Numerical Solution of The Heat Equation and its application; Explain An Analytical and Numerical Solution of The Wave Equation and its application; Explain Poisson Equation in Two Space Dimensions and its application; Explain Fourier Series and Sturm Liouville Problems and its application

Topics: Setting The Scene; Two-Point Boundary Value Problems; The Heat Equation; Finite Difference for The Heat Equation; The Wave Equation; Poisson's Equation in Two Space Dimensions; Fourier Series; Problem Solving; Sturm-Liouville Problems; Final Exam-Review.

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; Applying and explain counting method; Solve set theory, function, recursion, fuzzy set and relations; Analyze graph theory and its application; Explain Automata and its application; Connect the application of discrete mathematics as a fundamental of science and technology especially in the field of computer.

Topics: The logic of compound statement; 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 optimization problems and situations; Explain model linear programming problems and duality and post optimal analysis to the problem; Calculate network model problems i.e. transportation problems, the critical path methods, minimal spanning tree problems, the maximum flow problem and introduction of fuzzy programming; Analyze non-linear programming, integer programming, 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 - ALJABAR LINIER (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 physically; 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 Basic Statistics, Cash flows, Bonds, Interest Rates, Futures and Options; Interpret the results of basic calculations of Cash flows, Bonds, Interest Rates, Futures and Options; Analyze and evaluate a real problem in financial industries.

Topics: Introduction & Basic Statistics; Basic Financial Arithmetic; Cash Flows; Bonds Calculations; Bonds Risks; Amortization and Depreciation; 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

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

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 R^2 ; Straight Lines in a Plane; Linear and Affine Transformations in R^2 ; Conics; Vectors and Coordinates in R^3 ; Lines and Planes in Space; Linear and Affine Transformations in R^3 ; 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 Modulo n ; Public-Key Cryptography; Quadratic Reciprocity; Continued Fractions; Elliptic Curves

MATH6063 – CODING THEORY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: 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: Describe the Coordinate-Free Geometry and basics of Differential Geometry; Discuss Coordinate-Free Geometric Computing and its application in Solid Modeling; Implement the application of the Geometric Computing in CGAL.

Topics: Coordinate-Free Geometry; Representation of Curves and Surfaces; Differential Geometry of Curve & Surfaces; Nonlinear Polynomial Solver; Distant Function; Curve & Surfaces Interrogation; Introduction to CGAL.

MATH6067 – CRYPTOGRAPHY (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the basic principles of modern cryptography; Use the RSA cryptography system by applying it to practical problems; Implement some modern cryptographic algorithms in high-level programming languages.

Topics: Introduction to Cryptography; Block Cipher; Block Cipher Modes; Hash Function; Message Authentication Codes; The Secure Channel; RSA; Cryptography Protocols; Key Negotiation.

MATH6068 – PARTIAL DIFFERENTIAL EQUATION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain Basic knowledge of PDE and its application; Explain An Analytical and Numerical Solution of The Heat Equation and its application; Explain An Analytical and Numerical Solution of The Wave equation and its application; Explain Poisson Equation in Two Space Dimensions and its application; Explain Fourier Series.

Topics: Introduction to PDE; Poisson Equation in One Dimension; The Heat Equation; Finite Difference for The Heat Equation; The Wave Equation; Poisson's Equation in Two Space Dimensions; Fourier Series.

MATH6072 – NUMERICAL ANALYSIS (2 Credits)

Learning Outcomes: By the end of this course, the students 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 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: By the end of this course, students 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: By the end of this course, students 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

MATH6076 - EES IN INDUSTRY (4 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.

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 dayly 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 numbet, 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; Two-dimensional geometry; Perimeter and area of two-dimensional geometry; 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; 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 (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct and implement One-Dimensional and Multidimensional Unconstrained Optimization; Use software package such as Python to solve numerical problems; Apply Fourier Approximation and Finite Difference; Construct finite-Element Method.

Topics: Introduction of Finite Difference; Finite Difference: Elliptic Equations; Finite Difference: Parabolic Equations; Finite Difference: Hiperbolic Equations; Finite-Element Method; Numerical Analysis.

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.

SUBJECT AREA: MDIA

MDIA7012 – NEW MEDIA I (6 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create simple multimedia interactive & website; Choose suitable application to deal website & multimedia elements; Analyze structure of website & multimedia interactive; Describe web and multimedia principles and development in the future; Use multimedia elements in a website; Score many famous website & multimedia interactive related with design aspect

Topics: Understanding the Adobe Flash CS5 & Exploring Web Technologies; Drawing in Flash; Symbol, Instances, Library & Color; Working with Text & Modifying Graphics; Timeline Animation & Motion Editor; Integrating Media Flash with Flash; Integrating Media Flash with Flash (2); Understanding Actions & Event Handlers; Building Timelines & Interactions; Making your Flash CS 5 Project; Distributing Flash Movies; Creating Adobe AIR application using Flash CS 5; 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; Compose multimedia elements in a website; Score many famous website related with design aspect.

Topics: Web Basic; Defining Your Web Site's Role; Storyboarding Your Site; Design Basics; HTML Basics; Registering Domain Name; Gathering Your Web Content; Information Architecture & Page Layout; Color & Graphics; Evaluating Web Design Software & Tools; HTML Intermediate; Typography; Texture; Imagery; Grid; Controlling Page Style; Layout & Composition.

MDIA7017 - NEW MEDIA (4 Credits)

Learning Outcomes: After completing this course, the students should be able to : Design interactive multimedia with various software; Create variation of website design based on an idea or a concept; Design a personal website completed with explanation, concept, storyline and flowchart.

Topics: Introduction; The principles of interactive multimedia; The principles of animation; Layout interface; Combining element; Web hosting; Upload and maintenance.

MDIA6018 - AUDIO VISUAL (4 Credits)

Learning Outcomes: At the end of this course, the students 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: At the end of this course, the students 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; Colour Correction for better quality improvement; Grading Colour for creating precise colour mood; Approaches Keyframe for animation and Curve; 3D compositing; 3D camera in compositing scene; 3D Motion Graphic; 3D Projection Camera; Creative Visual Effect; Experimental media and live action; Compositing skills in the industry.

MDIA6022 - DIGITAL COMPOSITING II (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the shot for visual effects certain concept.; Evaluate camera work and greenscreen setup for visual effects production; Analyze integration between 3D software and compositing software for certain; Analyze 3D motion artwork or animation combine with visual effects shot.

Topics: Visual Effects in industry and breakdown; Greenscreen Setup in Production for VFX post-production treatment; Greenscreen productions to create VFX footages; Advance keying and shot manipulation; Color correction and mood color; Visual effects treatment and categories; 3D Camera tracking and match movement; 3D Object tracking, compositing & Visual effects implementation; 3D Graphic elements; Multi pass Rendering & Render Elements; Particles manipulation and detail enhancements; Advanced Masks & alpha Channel Using 3D; Matte painting for VFX environment and background set

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: 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.

MGMT6009 – PROJECT MANAGEMENT (2 Credits)

Learning Outcomes: Students 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 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 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; 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.

MGMT7013 – STRATEGIC MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Apply the basic model; the benefits of good strategic management; role and the process of developing vision and mission statements ; ethics and social responsibility; the global challenge and communication differences across countries; Design vision-mission statement, key success factors for external-internal scanning, the industrial organization and RBV view, Porter's Five generic strategies, 16 types of business strategies and three-stage framework for choosing among alternative strategies; Analyze strategic management as IFE and EFE Matrix, CPM, TOWS, SPACE, IE, Grand Strategy, BCG Matriks and QSPM; Construct of the business strategy , annual objectives , policies, implementation-execution and monitoring of strategy.

Topics: Strategic Management Essentials; Ethics/Social Responsibility/Sustainability; Vision and Mission Analysis; Types of Strategies; The Internal Audit; The External Audit; Strategy Generation and Selection; Strategy Implementation; Strategy Execution; Strategy Monitoring; Outside-USA Strategic Planning; Case in Strategic Management

MGMT6017 – THESIS (6 Credits)

Learning Outcomes: After finishing thesis, students are expected 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.

MGMT6018 – 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: 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: After finishing their thesis, students are expected to obtain the experiences 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.

MGMT6022 – 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, Identify the elements of an organization, Choose the elements of an organization suitable to the organization's need.

Topics: Organizations and Organization Theory, Organization and Organizational Effectiveness, Strategy, Organization Design, and Effectiveness, Fundamentals of Organizational Structure, Fundamentals of Organizational Structure, Interorganizational Relationships, Designing Organizations for The Internal Environment, Manufacturing and Service Technologies, Information Technology and Control, Organization Size, Lifecycle, and Decline, Organizational Transformation, Birth, Growth, Decline, and Death, Organizational Culture and Ethical Values, Innovation and Change, Decision Making Process, Decision Making, Learning, Knowledge Management, and Information Technology, Conflict, Power, and Politics, Case Study.

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 business intelligence; Explain the importance understanding virtual enterprises as organizational form in the modern economy; Sketch the Scheme for process based organizational Analysis; Appraise the relationship between Business Process Orientation and supply chain business performance.

Topics: Introduction Business Intelligence; Business Performance Management; Data Mining for Business Intelligence; Business Intelligence Implementation: Integration and Emerging Trends; A general introduction to the context in which Virtual Enterprises (VEs); Towards New Frontiers: Cross Work; Business, Organization and Architecture; Cross Work Technology; Process Views of Organization; A Scheme for process based organizational Analysis; Business Process Orientation; Supply Chain Network; Challenges of Building a Network Supply Chain

MGMT6038 - CROSS CULTURAL MANAGEMENT (2 Credits)

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.

MGMT6040 - THESIS (6 Credits)

Learning Outcomes: After finishing thesis, students are expected 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.

MGMT6042 - CROSS-CULTURAL MANAGEMENT (4 Credits)

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.

MGMT6044 – THESIS (6 Credits)

Learning Outcomes: After finishing thesis, students are expected 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.

MGMT6046 – MANAGEMENT SCIENCE (4 Credits)

Learning Outcomes: After completing this course, student will be able to: Apply the concept of problem solving based on management science approaches.

Topics: Linear programming; integer programming; transportation, network flow models; project management; nonlinear programming; probability and statistics; decision analysis; queuing analysis; simulation; forecasting; and inventory management.

MGMT6066 – HOTEL FINANCIAL MANAGEMENT (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.

MGMT6068 - HUMAN RESOURCES 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: 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.

MGMT6069 - HUMAN RESOURCES MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the basic concept of human resource management; Identify the human resource function; Describe the human resource functions that match to organizations' need

Topics: HRM: A Strategic Functions; The Challenges of HRM; Business Ethics & Corporate Social Responsibility; Equal Employment Opportunity & Workforce Diversity; Job Design; Job Analysis; Human Resource Planning; Recruitment; Selection; Training & Development; Management & Organization Development; Career Management; Performance Management and Appraisal; Organizational Reward System; Base Wage & Salary System; Incentive Rewards; Employee Benefit and Non-Financial Compensation; A Safe and Healthy Work Environment; Internal Employee relation; Collective Bargaining; HR Separation.

MGMT6070 - OPERATIONAL MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify principles of Operations Management; Describe how products and services are designed by Operations Management; 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

MGMT6074 – INTRODUCTION TO MANAGEMENT AND BUSINESS (2 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 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 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; 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

MGMT6122 – 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.

MGMT7124 - INDUSTRIAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Observe business environment in real industry setting; Identify real business cases faced by industry; Review the existing problem solving that has been implemented by industry experts.

Topics: Written Research Paper: Business Analysis; Competitor Analysis, Micro Environment; Analysis Academic, Major Integration, Analysis Performance Evaluation.

MGMT6125 – BUSINESS & ORGANIZATION IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: identify organization process in real industry setting; Demonstrate business process in real industry setting.

Topics: Organization Definition, Organization Evolution, Problem Constraining Business & Organization Development; Evolution in Global Business; Global Human Resources Management.

MGMT6126 – ORGANIZATIONAL PERFORMANCE & EVALUATION IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Describe the fundamental principle of organization performance; Demonstrate the organization performance activities; Evaluation process in real organization setting.

Topics: Introduction and Course Overview; Organization for performance operations; The Strategy of International Organization Performance; The Organization of International; Global Production.

MGMT7130 – INDUSTRIAL 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.

MGMT6131 – E-BUSINESS MANAGEMENT IN INDUSTRIAL EXPERIENCE (2 Credits)

Learning Outcomes: This course emphasizes a fundamental 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,

MGMT7134 - 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.

MGMT7137 – EES IN PROFESSIONAL EXPERIENCE (4 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real fieldwork to enhance the soft skills

Topics: Team work, problem Solving, Interpersonal Skill

MGMT7140 – 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: This course emphasizes a fundamental 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,

MGMT7143 – EES IN PROFESSIONAL EXPERIENCE (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.

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.

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.

MGMT7149 - INTERNSHIP (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.

MGMT6150 – BUSINESS & ORGANIZATION PAPER (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.

MGMT6151 – ORGANIZATIONAL PERFORMANCE & EVALUATION PAPER (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.

MGMT7152 – EES IN INDUSTRY (4 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real fieldwork to enhance the soft skills

Topics: Team work, problem Solving, Interpersonal Skill

MGMT6156 - INTRODUCTION TO LEADERSHIP AND MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the concepts of leadership and management, Identify leadership and managerial skills required in certain contexts, Analyze cases in which certain leadership and managerial skills are required, Integrate theories and development method of leadership with diverse contexts, Discover personal leadership quality and integrate it with managerial skills in solving leadership and managerial issues.

Topics: The Nature of Leadership, The nature of managerial Work, Perspective on Effective Leadership Behaviour, Participative Leadership, Delegation, and Empowerment, Power and Influence, Managerial traits and skills, Contingency Theories of Effective Leadership, Charismatic and Transformational Leadership, Ethical, Servant, and Authentic Leadership, Leadership in Teams and Decision Groups, Gender, Diversity, and Cross cultural leadership, Leading Change in Organization, Developing the Leader Within You.

MGMT6164 - ORGANIZATIONAL BEHAVIOR IN TOURISM (2 Credits)

Learning Outcomes: Mastering the basic knowledge about various types of organizational behavior in tourism, as well as the ability to identify and study the problems which are common in a related field.

Topic: Principles and Concepts of Basic Organizational Behavior; Systems and Components of Organization; Tourism Organizational Behavior; Latest issues of Tourism Organization Behavior

MGMT6165 - HUMAN RESOURCE MANAGEMENT FOR TOURISM AND SERVICE SECTOR (2 Credits)

Learning Outcomes: Mastering basic knowledge about aspects of human resources in tourism, public or private sector, as well as the ability to identify and study the problems encountered in the related field.

Topic: Concepts, Theories and Principles in Human Resource Management; Human Resource Management in the Context of Tourism and Business Services; Current Issues in Human Resource Management in the Context of Tourism.

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.

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; Scheduling; 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 - EES IN PROFESSIONAL EXPERIENCE (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

MGMT7216 – EES IN INDUSTRIAL EXPERIENCE (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.

MGMT7217 – EES IN INDUSTRIAL EXPERIENCE (3 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real fieldwork to enhance the soft skills

Topics: Team work, problem Solving, Interpersonal Skill

MGMT6228 - EES IN INDUSTRIAL EXPERIENCE (3 Credits)

Learning Outcomes : 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

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 MARKETING 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.

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.

SUBJECT AREA: MKTG

MKTG8005 – MARKETING MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Define the concept of marketing; Describe the consumer and business buyer behavior; Describe the customer-driven strategy and marketing mix; Explain extended marketing issues

Topics: Marketing: Creating and Capturing Customer Value; Company and Marketing Strategy; Analyzing the Marketing Environment; Managing Marketing Information to Gain Customer Insights; Consumer and Business Buyer Behaviour; Customer-Driven Marketing Strategy; Product, Services, and Brands: Building Customer Value; Pricing: Understanding and Capturing Customer Value; Marketing Channels: Delivering Customer Value; Communicating Customer Value: IMC Strategy; Creating Competitive Advantage; The Global Marketplace; Sustainable Marketing; Social Responsibility and Ethics

MKTG8006 – CONSUMER BEHAVIOR (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define Perspective on Consumer behavior; Explain essentials of Affect, Cognition, attention, attitude; Apply various aspects of environment; Analyse the influence of consumer behavior; Create the marketing Strategy.

Topics: Consumer Behavior and Marketing Strategy; Behavior; Affect and Cognition; Customer Product Knowledge and Involvement; Attention and Comprehension; Attitudes and Intentions; Conditioning and Learning Process; Influencing Consumer Behaviors; Consumer Decision Making; Environment; Cultural and Cross-Cultural Influences; Sub Culture and Social Class; Reference Groups and Family; Market Segmentation and Product Positioning; Consumer Behavior and Product Strategy; Consumer Behavior and Promotion Strategy; Consumer Behavior and Pricing Strategy; Consumer Behavior, Electronic Commerce, and Channel Strategy.

MKTG6020 – SELLING AND SALES MANAGEMENT (2 Credits)

Learning Outcomes: On successful 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 successful completion of this course, student will be able to: Describe conceptual foundation of customer relationship management (CRM); Describe analytical customer relationship management (CRM) tools; Explain strategic customer relationship management (CRM); Explain operational customer relationship management (CRM).

Topics: Strategic Customer Relationship Management Today; Relationship Marketing and the Concept of Customer Value; Strategic CRM; Implementing the CRM Strategy; Customer Analytics (part I); Customer Analytics (part II);

Data Mining; Using Databases; Software Tools and Dashboards; Loyalty Programs: Design and Effectiveness; Campaign Management; CRM Issues in The Business-To-Business Context; Customer Privacy Concerns and Privacy Protective Responses

MKTG6023 – INTERNATIONAL MARKETING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the role of culture to international marketing; Relate the impact of foreign environment to the international marketing; Analyze the opportunities available in foreign markets; Identify strategies required in dealing with foreign markets; Apply market-oriented strategies to deliver goods in foreign markets.

Topics: The Scope & Challenge of International Marketing; Cultural Dynamics in Assessing Global Markets; Culture, Management Style, & Business System; Political Environment; The International Legal Environment; Emerging Markets; Global Marketing Management; Products & Services; International Marketing Channels; Exporting & Logistics; International Advertising; Pricing for International Markets; Negotiation with International Customers.

MKTG6041 – PRICING STRATEGY AND PROJECT (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define the Strategic Pricing and Strategic 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

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.

MKTG6060 - MARKETING FOR TOURISM AND HOSPITALITY INDUSTRY (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

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

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: After completing this course, the students should be able to : Describe definition of marketing program in advertising; Understand the key concepts of advertising; Manage marketing programs which use for advertising; Integrate complete marketing communication program; Explain behaviour as a reference target to produce a design of a user-centered; consumer psychology as an important part of a communication design consideration; Understand the importance of collaboration in creating value.

Topics: Introduction to Marketing; paradigm shift in the history of marketing (from product era to digital era); Contemporary Marketing Approaches; Customer Orientation, Marketing Research; Basic Understanding of Consumer Psychology; Study of Consumer Behavior; Consumer Behavior Models; Factors affecting Consumer Behavior; Collaborative value creation.

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

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 Behaviour 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 ons; 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

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

MKTG6167 - EMPLOYABILITY AND ENTREPRENEURIAL SKILL IN INDUSTRIAL EXPERIENCE (3 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to apply soft skills.

Topics: Team Work, Problem Solving, Interpersonal Skill

MKTG6104 - PROFESSIONAL EXPERIENCE (8 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Construct alternative solutions to the real marketing problems faced by industry; Analyze each alternative marketing solutions; Evaluate the result of the implementation of chosen marketing solutions

Topics: Activity Reports; Written Research Paper: Global Market Analysis, International Marketing Strategy, Marketing Ethics, New Media; Academic Major Integration; Performance Evaluation

MKTG6105 - PROFESSIONAL PRACTICE IN MARKETING (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Apply marketing principles to real case in industry setting; Analyze problem solutions of real marketing issues in industry setting

Topics: Global Brand Management; Digital Marketing Strategy; Creative Marketing; Customer Relationship Management; Sustainable Marketing

MKTG6106 - MARKETING RESEARCH IN PROFESSIONAL PRACTICES (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Analyze the marketing research result in order to help in marketing decision making; Apply the marketing research result to solve the real marketing problem faced by industry.

Topics: Secondary Data and Qualitative Research; Survey and Observation; Measurement and Scaling; Data Analysis; Report Preparation and Presentation

MKTG6107 - EMPLOYABILITY AND ENTREPRENEURIAL SKILL IN PROFESSIONAL PRACTICES (4 Credits)

Learning Outcomes: On Successful Completion of this course, students will obtain working experience in the real field work to enhance the soft skills

Topics: Team Work, Problem Solving, Interpersonal Skill

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 Behaviour 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.

MKTG6112 - LANGUAGE INNOVATIONS IN MARKETING AND ADVERTISING (2 Credits)

Learning Outcomes: After a successful completion of this course, students would be able analyze and produce the linguistic trends of marketing tools and advertisements.

Topics: Linguistic studies in marketing and advertising ; The Vocabulary of marketing and advertising; The rhetorical language of marketing and advertising; Pragmatics in Marketing and advertising 1; Pragmatics in Marketing and advertising 2; Figures of speech and advertisement 1; Figures of speech and advertisement 2; Text and Visual metaphors; The Language of marketing and advertisement in Radio and TV; The Language of marketing and advertisement in New Media; "Australasian" The art of word mashing in Marketing and Advertising; Case Study : The linguistic trends in Marketing and Advertising; Seminar : The linguistic trends in Marketing and Advertising

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

MKTG6121 - MARKETING IN TOURISM (2 Credits)

Learning Outcomes: Mastering basic knowledge of marketing tourism destination

Topic: Principles and Concepts of Basic Marketing; Marketing in the Context of Tourism; Tourism Destination Marketing Mix, include the Tourism Product, Price, Promotion and Distribution Channels; Latest Issues of Marketing Tourism Destination

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; Construct the customer-driven strategy and marketing mix; Explain extended marketing issues

Topics: Marketing: Creating and Capturing Customer Value; 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; Pricing: Understanding and Capturing Customer Value; Marketing Channels: Delivering Customer Value; Communicating Customer Value: IMC Strategy; Creating Competitive Advantage; The Global Marketplace; Sustainable Marketing: Social Responsibility and Ethics

MKTG7123 - SERVICE MARKETING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the key points of service and retail concepts and critical issues; Demonstrate ability and knowledge to relate concepts and facts; Appraise service and retail conditions regarding concepts and elements learnt; Integrate retail and services marketing principles; Discuss the whole concepts and principles learnt before.

Topics: Understanding Service Markets; Customer Behavior in Service Markets; Core Service Products; Distributing Services; Educating Customers and Promoting the Value Proposition; Designing and Managing Service Processes; Managing People for Service Advantage; Strategic Planning in Retail; Retail Institution Formats; Identifying and Understanding Customers; Choosing A Store Location; Merchandise Management; Managing Relationships and Loyalty

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: Define the world of retailing; Describe the international retailing strategy; Explain the concept of merchandise management and store management

Topics: Introduction to The World of Retailing; Types of Retailers and Multichannel Retailing; Customer Buying Behaviour; Retail Market Strategy; Retail Locations; Information System and Supply Chain Management; Customer Relationship Management; Managing The Merchandise Planning Process; Buying Merchandise and Retail Pricing; Retail Communication Mix; Managing The Store; Store Layout, Design, and Visual Merchandising; Customer Service.

MKTG6128 - MARKET RESEARCH (2 Credits)

Learning outcomes: This course will introduce about how 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.

MKTG6164 - CUSTOMER RELATIONSHIP MANAGEMENT (4 Credits)

Learning Outcomes: 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.

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

MKTG6175 - SERVICE MARKETING MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student 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 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.

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 Platform and Android Software Development; Produce simple Mobile Application using the main features of Android; Construct Mobile Application based on Android platform

Topics: Introduction to Android; Designing User Interface; Multiple User Interface; Menu, Themes and Setting; Display Orientation; Data Persistence; Content Provider; Messaging; Location Based Services; Networking; Publishing Android Applications; Developing Android Services; Multimedia

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 of 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.

MOBI6015 – MOBILE TESTING AND IMPLEMENTATION (2 Credits)

Learning Outcomes: On successful completion of this course, student 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.

Topics: Getting Started with Testing; Testing on Android; Building Blocks on the Android SDK; Test Driven Development(1); Test Driven Development(2); Android Testing Environment; Behavior Driven Development; Testing Recipes; Continuous Integration; Performance Testing and Profiling; Alternative Testing Tactics(1); Alternative Testing Tactics(2); Review and Group Project 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 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the usability of interactive mobile application; Use guidelines, principles and theories about mobile application interface design pattern; Assess the user requirements with interaction styles for mobile application control and widget; Design the user interfaces of interactive mobile application.

Topics: 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 Credits)

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

MOBI6027 - WEB DESIGN (HTML 5)* (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, Refined; 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

MOBI6028 - INTERNSHIP I (8 Credits)

Learning Outcomes: On successful completion of this course, students will 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

MOBI6029 - MOBILE APPS. & TECH PRACTICE IN INDUSTRY I (4 Credits)

Learning Outcomes: On successful completion of this course, students 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.

MOBI6030 – MOBILE APPS. & TECH PRACTICE IN INDUSTRY II (4 Credits)

Learning Outcomes: On successful completion of this course, students 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

MOBI6031 - EES IN MOBILE INDUSTRY I (4Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real mobile application & technology field work to apply soft skills.

Topics: Team work; problem solving; interpersonal skill.

MOBI6032 - INTERNSHIP II (8 Credits)

Learning Outcomes: On successful completion of this course, students will 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.

MOBI6033 - EES IN MOBILE INDUSTRY II (4 Credits)

Learning Outcomes: On successful completion of this course, students will obtain working experience in the real mobile application & technology field work to enhance the soft skills.

Topics: Team work; problem solving; interpersonal skill.

MOBI6040 - INTRODUCTION TO MOBILE APPLICATION (2 credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the fundamental terminologies of mobile application technology; demonstrate the utilization of mobile application technology in daily life.

Topics: Brief History of Mobile; The mobile ecosystem; Designing for context; Developing a mobile strategy; Types of mobile applications; Mobile design; Mobile web development

MOBI6041 – WEB DESIGN (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the HTML5 concept; Demonstrate simple HTML5 program using the main features of HTML5; Describe user interface component and the main features of HTML5

Topics: Introduction to HTML5; Structuring pages; Meaningful markup; Web form, refined; Javascript; Basic drawing with canvas; HTML5 Web SQL database

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

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 - METHODOLOGY 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; Preparing and Structuring 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 Psychopathology; 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; Dissociative Disorders & Somatic Symptom Disorders; Personality Disorders; Eating Disorders; Substance 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 I/O Psychology; Customer insight and market analysis*; Job Analysis and Evaluation; Employee Selection: Recruiting and Interviewing; Business model environment*; Evaluating Employee Performance; Employee Selection: References and Testing; Evaluating Selection Techniques and Decisions; Designing an; Evaluating Training Systems; Prototyping product or service*; Employee Motivation, Satisfaction, and Commitment; Design process*; Organizational Communication; Leadership; Group Behavior, Teams, and Conflict; Evaluation product or service*; Organization Development; Work Life Balance; Miscellaneous

PSYC8060 - PSYCHOLOGY OF PUBLIC POLICY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe conceptual frameworks for analyzing public policy and policy research; Discover social psychological foundation of institutional analyses; Apply social psychological research in shaping public policy proposal.

Topics: What Social Problems Are; Social Psychological Perspectives on Social Problems; Social Cognitive Perspectives on Social Problems; Sociological Perspectives on Social Problems; What Public Policy Is, Psychologist

as Policy Advocates; Social Problems and Public Policy; Political Psychology and Public Policy; Economic Psychology and Public Policy; Cultural Psychology and Public Policy; Policy Analyses.

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

PSYC8080 - ASSESSMENT CENTER METHODS (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Recognize working processes of assessment center and assessor assessment center; Explain basic theory and methods of assessment center; Applies principles of assessment center and working processes of assessment center and assessor assessment center; Analyse issues of assessment center.

Topics: Assessment centers in human resources management; Basic requirement of an assessment center; Developmental assessment center; Case studies of assessment center in operation; Behavioral Dimensions as the building blocks of assesment center; Simulation exercises; The role of individual assessors; The role of group of assessors: integration of assessment information; Exercise for integration of assessment information; Providing feedback of assessment center results; Exercise for giving feedback; Assessment center, human resource management and organization strategies Integrating assessment with business strategy; Assessment center: a look back and look forward.

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.

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 Pillars of Learning Organization; Building Learning Organization.

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 COUNSELLING (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

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 well being.

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

PSYC6118 - INTERNSHIP IN INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: identify the psychological variables of a phenomenon in the area of industrial & organizational psychology; designing a psychological intervention to provide an alternative solution in dealing with a problem in the area of industrial & organizational psychology.

Topics: Internship

PSYC6119 - INTERNSHIP IN COMMUNITY PSYCHOLOGY (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: identify the psychological variables of a phenomenon in the area of community psychology; designing a psychological intervention to provide an alternative solution in dealing with a problem in the area of community psychology.

Topics: Internship

PSYC6120 – BIOLOGICAL PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the neural foundations of behavior; Explain the biological foundations of basic human functioning; Give examples of the biological foundations of functions related to motivation and emotion; Give examples of the biological foundations of functions related to complex behaviors.

Topics: What is Biopsychology?; Neural Foundations of Behavior: the Basic Equipment; Interacting with the World: Vision and Visual Perception; Interacting with the World: Hearing and Language; Interacting with the World: Body Sense and Movement; Motivation and Emotion: Motivation and the Regulation of Internal States; Motivation and Emotion: What Makes Us Go; Motivation and Emotion: Biology of Sex and Gender; Motivation and Emotion: Emotion and Health; Complex Behavior: Sleep and Consciousness; Complex Behavior: Intelligence and Cognitive Functioning; Complex Behavior: Psychological Disorders.

PSYC6121– METHODOLOGY OF PSYCHOLOGICAL RESEARCH: QUANTITATIVE APPROACH (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the characteristics, language and logic of research methods; Define 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; Define the individual differences and also the types of special needs students; Explain student's learning process and factors that influence the learning process; Identify instructional methods to help students learn in classroom; Explain the assessment strategies and how to determine grades.

Topics: Educational Psychology; Development and 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.

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.

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).

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 multicultural 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.

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.

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

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 Training & 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.

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; Cognitive test; Selected response item; Constructed response item; Item analysis of cognitive test; Non cognitive test; Thurstone's scale; Likert scale; Semantic differential scale; Item analysis of non-ability test; Data processing (guest lecture)

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: Explain major philosophical paradigms or perspectives that enrich the discourse about human; Explain various approaches and perspectives in psychology in historical context; Explain perspective in developmental, social psychology, psychotherapy, and psychology of differences.

Topics: Psychology: Physiological Roots; Psychology as a Science: Structuralism & Functionalism; History & System of Psychology; The Emergence of Modern Science; Gestalt Psychology; Psychoanalysis; Behaviorism; Humanistic Psychology; Cognitive Psychology; Perspective on Developmental Psychology; Perspective on Social Psychology; Perspective on Psychotherapy; Psychology of Differences: Personality & Intelligence.

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 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 and Psychology; Human Diversities 1: Language, Gender, Ethnicity, and Culture; Human Diversities 2: Religion and Arts; Human Organizations: Groups, Families, Communities, Cities, and States; Human Socialities: Socialization, Social Interaction, and Social Mobility; Human Life

Domains 1: Economy, Work, Politics, and The Modern World System; Human Life Domains 2: Education, Health, and Environment; Human Social Problems: Deviance, Crime, Social Control, and Global Inequality; Globalization, Technology, Mass Media, and Social Change; Colonialism and Development, Cultural Exchange and Survival; Collective Behavior and Social Movements.

PSYC6136 – THEORIES OF DEVELOPMENTAL PSYCHOLOGY (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the basic assumptions/principles of the various theories in Developmental Psychology; Apply the concepts of Developmental Psychology in analyzing various functions in daily life and in various social contexts; Analyze events of situations using various theories in Developmental Psychology.

Topics: Introduction; Piaget's Cognitive-Stage Theory and the Neo-Piagetians; Freud's Psychoanalytic Theory; Erikson's Psychoanalytic Theory; Vygotsky and the Sociocultural Approach; Social Learning Theory; Information Processing Theory; Ethology and Other Evolutionary Theories; Gibson's Ecological Theory of Perceptual Development; Contemporary Minitheories and Emerging Approaches; Applications of Various Theories of Developmental Psychology.

PSYC6137 – PSYCHOMETRICS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe 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; Test Scoring and Interpretation; Introduction to IRT (Guest Lecture).

PSYC6138 – LIFESPAN DEVELOPMENTAL (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe physical, psychosocial, and cognitive development from birth to late adulthood; Discuss researches and contemporary issues on various topics in developmental psychology; Analyze case studies using developmental concepts and theories.

Topics: Domains of Human Development; The Impacts of Genetics in Human Development & Psychology; Prenatal; Childbirth and Newborn; Infancy and Toddlerhood; Early Childhood; Middle Childhood; Adolescence; Early Adulthood; Middle Adulthood; Late Adulthood; Death and Dying: Stages and Psychological Impact.

PSYC6139 – INTRODUCTION TO PSYCHOLOGICAL INTERVENTION (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the differences between clinical and non-clinical psychological intervention; Identify the basic psychological principles in changing behavior; Explain the ethical principles in psychological intervention; Explain the basic process of psychological intervention.

Topics: Applying psychology; Ethical principles of psychological intervention; 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: 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; Basic Counseling skills; Psychoanalytic, Adlerian and Humanistic Theories of Counseling; Behavioral, Cognitive System, Brief, and Crisis; Theories of Counselling; Career Counseling over the Life Span; Professional School Counseling.

PSYC6141 - INTRODUCTION TO PSYCHODIAGNOSTICS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain basic principles & theories of psychological assessment; Identify psychological assessment based on its purpose; Apply psychological assessment; Analyze application of psychological assessment.

Topics: Basic principles psychological assessment; Ethical issues; Assessment in educational psychology; Assessment in clinical & developmental psychology; Assessment in industry & organization psychology.

PSYC6142 – PSYCHOLOGY IN PRACTICE (8 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Disregard or challenge flawed sources of information; Apply the ethical principles of psychology; Develop strategies for exceeding project criteria or, in the absence of such criteria, to met their own project performance criteria.

PSYC6143 – CURRENT ISSUES IN PSYCHOLOGY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Disregard or challenge flawed sources of information; Apply the ethical principles of psychology; Develop strategies for exceeding project criteria or, in the absence of such criteria, to met their own project performance criteria.

Topics: Clinical Psychology; Educational Psychology; Social Psychology; Industrial & Organizational Psychology.

PSYC6084 - EMPLOYABILITY AND ENTREPRENEURIAL SKILL 1 (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

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: Describe the characteristics, language and logic of qualitative studies; Explain the available techniques for designing a qualitative research; Demonstrate qualitative data analysis; Conduct a qualitative research.

Topics: Designing a Qualitative Study; Five Different Qualitative Studies; Five Qualitative Traditions of Inquiry; Philosophical and Theoretical Frameworks; Introducing and Focusing the Study; Data Collection; Data Analysis and Representation; Writing The Narrative Report; Standards of Quality and Verification.

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.

PSYC6148 - EMPLOYABILITY AND ENTREPRENEURIAL SKILL 2 (2 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

SUBJECT AREA: RSCH

RSCH6008 – QUANTITATIVE AND QUALITATIVE RESEARCH METHODS IN COMMUNICATION CONTEXT (4 Credits)

Learning Outcomes: After completing this course, students will be able to: Identify Students are able to understand the interplay between old and new media, including the illustration of relevance range of methodologies (old and new) to a media environment in historical transition; Examine Students are able to identify the difference communication research, between mass and interpersonal communication, also between online and offline interaction; Apply The students are able to apply quantitative and qualitative approaches to media and communication studies, and to continue the integration, manifest in the field during recent decades, of insight from the humanities as well as the social science.

Topics: Introduction, The State of Convergence In Media And Communication Research; Media, Culture, And Modern Times: Social Science Investigations; The Production of Entertainment Media; The Study of News Production; Media Effects: Quantitative Traditions; Media Reception: Qualitative Traditions; The Quantitative Research Process; The Qualitative Research Process; The Complementary of Qualitative And Quantitative Methodologies In Media And Communication Research; Audiences In The Round: Multi-Method Research In Factual And Reality Television; A Multi-Grounded Theory of Parental Mediation: Exploring The Complementary of Qualitative

and Quantitative Communication Research; Personal Media In Everyday Life, A Baseline Study; The Social Origins And Uses of Media And Communication Research.

RSCH6009 - METHODS IN LANGUAGE AND SOCIAL RESEARCH (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe intention of research; Select the specific method and research tools for his/her research activities/proposal; Write a clear steps for his/her research design/proposal; Write a clear and focused research report (mini thesis) which include basic elements of research.

Topics: What is research; social research; language research; methods in research.

RSCH6010 - SEMINAR ON RESEARCH (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to present their research in a written and oral formats by ways of: applying grammatical rules in writing; arguing thoughts and key ideas for a logical and field-of-study related research proposal; designing an acceptable research proposal in compliance with international (APA) and Binus' format for an Academic Writing (Paper/Thesis) as well as presenting in acceptable academic manners.

Topics: Drafting the Paper in an Academic Style ; Writing the Introduction, Body, and Conclusion; Avoiding Plagiarism and Writing in APA Style; Academic Word Choice (Academic Word List); Using Binus Format for Academic Writing; Upgrading the Presentation of Your Thesis; Presentation-Seminar.

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; Apply 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

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; Demonstrate operationalize concepts; Outline the various data collection methods; Interpret the computer results of tests of various hypotheses; Explain the fact that both qualitative and quantitative investigations have their place in business research

Topics: Introduction to Research; Technology and Business Research; The Research Process; Analysing The Final Project-1; Discuss about The Result of Analysing The Final Project; Measurement of Variables: Operational Definition and Scales, Scalling, Reliability and Vlidity; Data Collection Methods; Sampling; Analysing The Final Project-2; Discuss about The Result of Analysing The Final Project; Data Analysis and Interpretation; The Research Report.

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

RSCH6028 - RESEARCH METHOD AND STATISTICS (4 Credits)

Learning outcomes: Mastering the skills and knowledge of statistics and research methodology at the applicable level in the context of tourism study

Topics: Probability; Discrete Random Variables, Probability Distributions, Continuous Variables Multivariate Probability Distributions; Functions of Random Variables; Sampling Distributions and The Central Limit Theorem

RSCH6029 - 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

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 capacitance, current and resistance, circuits, electromagnetic oscillation and alternating current, electromagnetic waves, and its application; Describe basic concept of interference, diffraction, atomic theory and semiconductor and its application.

Topics: Electric Charge; Electric Fields; Gauss's Law; Electric Potential; Capacitance; Current and Resistance; Circuits; Magnetic Fields; Induction and Inductance; Electromagnetic Oscillation and Alternating Current; Electromagnetic Waves; Interference; Diffraction; Atomic theory; Semiconductor.

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: Define mass molecules/volume/particles of Reactant or product reactions; Explain about Atomic Bonding; Calculate of heat of reactions; Create a law of rate of reactions and constanta equilibrium reactions; Estimate of metal weight in electroplating; Estimate polymerization reaction.

Topics: Atoms, Molecule, and Ions; Stoichiometry; Reaction in Aqueous Solution; Covalent Bonding; Thermochemistry; Liquids and Solids; Solution; Rate of Reaction; Chemical Equilibrium; Acid and Bases; Electrochemistry; Complex Ions; Hydrocarbon & 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; Stereochemistry; Aromaticity and Benzene; Aldehyde and Ketone; Carboxylic Acid Derivatives; Amines; Phenols; Carbohydrate; Lipids; Amino acid, Peptides, and Proteins; Nucleosides, Nucleotides, and Nucleic acid.

SCIE6022 - ANALYTICAL CHEMISTRY (2/1 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: 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 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.

SCIE6027 – PHYSIC (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.

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.

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, poetry and drama; 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; The beginning of philosophy; The value of philosophy; Pre-Socrates philosophers; Socrates; Plato; Aristotle; Philosophy in The Middle Ages; St. Agustinus; Thomas Aquinas; The Modern Philosophy; Enlightenment; Descartes and Hegel; Modernism and Postmodernism; Existentialism; Gender and Philosophy; The nature of language; The nature of meaning and 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 explain the characteristics of modern literature; To compare and contrast American and Asian Modern Narratives; To analyze critical issues in contemporary American and Asian novels.

Topics: Literary Modernism; Issues in Modern American novels; Literary topics in Asian contexts; Chinese literary narratives; Japanese literary narratives; Korean literary narratives; Indian literary narratives; Arabian literary narratives; Pakistani literary narratives; Philippine literary narratives; Indonesian literary narratives; Why compare?; Insights from American and Asian literary narratives in comparison

SOCS6015 - HISTORY OF ENGLISH LANGUAGE AND LITERATURE (4 Credits)

Learning Outcomes : On successful completion of this Course, students will be able to: Outline the history of English language; Explain the development of English language; Outline the history of English literature; Explain the development of English literature; Analyze historical changes in terms of linguistic systems and/or literary developments critically.

Topics : The English Language; English Spelling, Sound, and Grammar; Before Old English; Old English: 450-1150; Old English: 450-1150 (2); Middle English: 1150-1500 (1); Middle English: 1150-1500 (2); Early Modern English: 1500-1700 (1); Early Modern English: 1500-1700 (2); Modern English: 1700-present; English around the World; Conclusion and Review; Introduction-Medieval: Old English Literature: to 1100; Middle English Literature: 1066-1500; Tudor & Stuart - Tudor Literature: 1500-1603; Shakespeare and the Drama; Stuart Literature: to 1700; Augustan & Romantic: to 1790; The Romantics: 1790-1837; Victorian Literature- to 1880: The Age and its Sages; Poetry and Fiction; Late Victorian Literature: 1880-1900; Ends and Beginnings: 1901-19; Beginning Again: 1955-1980; Contemporaries; Review.

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 Course, students will be able to Express their idea in English well, either in written or spoken form; Produce well-designed and appropriate self-expression; Produce commercial digital content; Propose the potential showcase business project.

Topics: Interpersonal Communication; Prewriting Processes; Personal Narration; Describing Yourself: Academic Personal Statement & Customer Insight and Market Analysis; Describing Yourself: Personal Statement for Job Application & Business Environment; Curriculum Vitae Writing & Product/ Service Development; Self-Presentation for Job Interview; Self Expression in Digital World; Social Media; The Ethics of Self-expression & Prototyping Product; Organizing Your Digital Content & Design Process; Writing Company Profile for Website & Evaluate Product/ Services Prototype; Introduce Your Product Online; Socializing an Event.

SOCS6021 - SOCIAL AND DIGITAL MEDIA WRITING (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Define the characteristics of Social and Digital Media Writing; Differentiate between digital and analog media and writing; Write effectively for social and digital media

Topics : Foundations : On Writing Well; Digital Media Versus Analog Media; Practice: Screen Writing: Online Style and Techniques; Headlines and Hypertext; Designing Places and Spaces; Getting It Right: Online Editing, Designing

and Publishing; Review and Practice; Contexts: Blogito, Ergo Sum: Trends in Personal Publishing; We the People, Part I: Citizen Journalism; We the People, Part II: News as Conversation; Getting Down to Business: Intranets, Extranets, Portals; Learning the Legal Landscape: Libel and Privacy in a Digital Age; Afterword: Core Values of Online Journalism.

SOCS6022 - CURRENT ISSUES IN CREATIVE WRITING (4 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to comment and further discuss current issues in Creative Writing, from the point of view of the language used and socio-cultural phenomena.

Topics: There will be various current topics delivered in the form of seminar or workshop.

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: Culture; Identity and National Identity; The Development of Indonesian Language; Multiculturalism in Indonesian Society; Indonesia and globalization; Indonesian Popular Culture; Youth Culture in Indonesia; Youth and Environment.

SOCS6030 - INTRODUCTION TO PRAGMATICS AND DISCOURS (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Describe the study of language in use; Discuss critically existing language issues.

Topics: Introduction: Concepts in Pragmatics and Discourse; Development: Studies in Pragmatics and Discourse; Exploration: Data for investigation; Extension: Readings.

SOCS6032 - SOCIAL SCIENCE FOR PRIMARY I (2/2)

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

STAT6003 - 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.

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 – STATISTICS AND PROBABILITY (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 tables 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 the concept of probability theory and random variable in stochastic problem; Distinguish the concept of Discrete Time-Markov Chains, Poisson Process, Continuous-Time Markov Chains, Renewal Process, Queuing Theory and Reliability Theory; Apply the techniques of stochastic processes to solve a real problem and interpret the results

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 : Linear Models; Quadratic Forms in Normal Variables; Full-Rank Linear Models; Less-Than-Full-Rank Linear Models; Balanced Linear Models; Unbalanced Fixed-Effects Models; Unbalanced Random and Mixed Models.

STAT6044 – CATEGORICAL DATA ANALYSIS (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Recognise data as being categorical data and summarise data as categorical data where appropriate; Explain the need for, the structure, and the usefulness of generalized linear model; Explain the need for, the structure, and the usefulness of logistic regression; Explain the need for, the structure, and the usefulness of contingency tables; Apply the method which are appropriate with data; Interpret the results of the method for categorical data.

Topics: Introduction; Contingency Tables; Generalized Linear Model; Logistic Regression; Building and Applying Logistic Regression Model; Multi-Category Logit Models; Log-Linear Models for Contingency Tables; Model for Matched Pairs; Modelling Correlated; Random Effects: Generalized Linear Mixed Models.

STAT6047 – NUMERICAL METHODS FOR STATISTICS (2 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Select the proper numerical methods for statistical analysis; Compute operational of matrices and eigenvalue; 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 will be able to: Explain survival data and analysis method; Apply survival analysis method; Interpret the result of survival analysis

Topics: An Introduction to Survival Analysis; Survival Data Layout; Basic Concepts of Survival Models; Life Table and Kaplan-Meier Survival Curves; The log-rank test; The Cox Proportional Hazards Model and Its Characteristics; Evaluating the Proportional Hazards Assumption; Stratified Cox (SC) Model; Extension of the Cox Proportional Hazards Model for Time-Dependent Variables; Parametric Survival Models

STAT6051 – TIME SERIES ANALYSIS (2/1 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Apply the time series methods to data; Calculate the statistics that used in modeling time series data; Explain the fundamental concepts in time series models; Use R Software in time series data analysis.

Topics: Trend Forecasting and Exponential Smoothing; Models for Stationary and Nonstationary Time Series; Model Specification, Parameter Estimation, and Model Diagnostics; Forecasting and Seasonal Models.

STAT6053 - MULTIVARIATE STATISTICS (4 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Calculate measurements of multivariate statistics methods; Construct the steps of multivariate statistics methods; Apply multivariate statistics methods; Interpret the application results of multivariate statistics methods

Topics: The Multivariate Normal Distribution; Test on One or Two Mean Vectors; Multivariate Analysis of Variance; Tests on Covariance Matrices; Discriminant Analysis; Canonical Correlation; Principal Component Analysis; Factor Analysis; Cluster Analysis.

STAT6054 – ECONOMETRICS (2/1 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain econometric method; Apply econometric method; Analyze the results of econometrics analysis.

Topics: An Introduction to Econometrics; Single-Equation Regression Model; Econometric Modelling : Model Specification and Diagnostic Testing; 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: Explain and calculate the fundamental concepts of SEM; Construct and interpret the model specification; Determine the category of model solutions; Interpret the result of estimation and the hypothesis testing; Operate structural equation modeling using Lisrel and interpret the output.

Topics: Introduction to SEM; Fundamental concepts; Data preparation; Specification; Identification; Estimation; Hypothesis testing.

STAT6058 – SAMPLING TECHNIQUES (2 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain the elements of sampling problem; Calculate statistical measurements for sampling techniques; Interpret the results of calculation for statistical measurements; Distinguish types of sampling techniques

Topics: Elements of the Sampling Problem; Some Basic Concepts of Statistics; Simple Random Sampling; Stratified Random Sampling; Systematic Sampling; Cluster Sampling; Ratio Estimation; Estimating the Population Size

STAT6065 – ECONOMICS STATISTICS (2 Credits)

Learning Outcomes: After completing this course, the student 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: 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

STAT6078 - BUSINESS STATISTICS I (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the concept of statistic; Apply statistical concept properly; Analyze the statistical methods to solve economic and business problems

Topics: Data and Statistics; Descriptive Statistics: Tabular and Graphical Presentations; Descriptive Statistics: Numerical Measures; Interval Estimation; Hypothesis Tests; Tests of Goodness of Fit and Independence

STAT6079 – BUSINESS STATISTICS II (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify 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.

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, stem 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: 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: 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

STAT6085 – REGRESSION ANALYSIS (2/2 Credits)

Learning Outcomes: On successful completion of this course students will be able to: Interpret basic concepts of regression; Analyze data using regression methods; Use R software in regression analysis.

Topics: Simple Linear Regression; Multiple Linear Regression; Regression Diagnostics; Qualitative Variables as Predictors; Analysis of Collinear Data; Variable Selection Procedures.

STAT6090 – INTERNSHIP (8 Credits)

Learning Outcomes : On successful completion of this course, students will obtain working experience in the real field work to apply the theory given in the class, so they will be more ready to apply the theory for job. They will be able to acquire highly marketable knowledge, specific skills and construct statistics model both manually and using computer and implement the statistics models to solve the real problems.

Topics : Field of Information Technology and Statistics workplace.

STAT6091 – DATA ANALYSIS IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Recognize industrial problem, Apply statistical method to solving industrial problem, Interpret the result of statistical method application.

Topics: Exploring Data, Probability and Decision Making under Uncertainty, Statistical Inference, Regression Analysis and Time Series Forecasting, and Optimization and Simulation Modeling.

STAT6092 – STATISTICAL PROGRAM IN INDUSTRY (2 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Create statistical program to solving industrial problem, Use statistical software, Interpret the output of statistical software.

Topics: Programming Structures, Object-Oriented Programming, Input / Output, String Manipulation, Graphics, Debugging, Performance Enhancement: Speed and Memory, Interfacing R to Other Languages.

STAT6093 - EES IN INDUSTRY (4 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.

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: Apply the concept of probability theory and random variable in stochastic problem; Distinguish the concept of Discrete Time-Markov Chains, Poisson Process, Continuous-Time Markov Chains, Renewal Process, Queuing Theory and Reliability Theory; Apply the techniques of stochastic processes to solve a real problem and interpret the results

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: understand the basic principles of statistics, use statistics for educational research especially in primary education

Topics: Statistics, Statistics for Education, Statistics for Educational Research

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 QUALITY 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; Anova; 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.

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 equities accounting; Foreign currency accounting and income taxes accounting; Income taxes accounting; Rent and construction accounting; VAT and tax on luxury goods accounting; Expenses and loss compensation; Fiscal reconciliation

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: Explain income tax article 21/26, Explain income tax article 4(2), 22, 23, 24, Prepare monthly tax return 21/26, 23/26, 4(2), Explain concept of calculating corporate tax and prepare corporate annual tax return, Explain concept of VAT and tax on sale of luxury goods; and prepare monthly tax return VAT and Tax on Sale of Luxury Goods.

Topics: Income tax article 21/26, Calculating income tax article 21/26, Tax return for income tax article 21/26, Income tax article 4(2), 22, 23, 24, Corporate Tax, Calculation of corporate tax, Corporate annual tax return, VAT and Tax on Sale of Luxury Goods, Tax return 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.

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; Analyze deductible and non deductible expenses and specific income taxes applied for income tax calculation; Calculate specific income taxes and annual income tax; Prepare corporate annual fiscal reconciliation and tax return; 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.

Topics: Calculating annual income tax and final income tax; Overview of Indonesian Taxation; 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; Corporate fiscal reconciliation; Corporate tax return preparation; VAT; Sales Tax on luxury goods; Tax on land and Buildings.

TAXN6020 - TAXATION MANAGEMENT AND STRATEGY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: 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.

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**TRSM6029 – 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

TRSM6042 - 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.

TRSM6045 - 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: Gelatine Artistic; Fondant; Vegetable Carving; Fruit Carving; Plating

TRSM6048 - 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.

TRSM6049 - 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.

TRSM6051 – WORKPLACE HYGIENE, SAFETY AND SECURITY (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify basic knowledge of hygiene, health and safety in the workplace; Demonstrate procedures of hygiene, health and safety in the workplace; Categorize current occupational health and safety issues; Select the best practice to prevent injuries and illness in relation to hygiene, health and safety in the working environment

Topics: Introduction to Occupational Safety & Health; Legislative Framework; Health & Safety Management; Company Internal Responsibilities; Workplace Injury Management; Worker's Compensation; Workplace Injuries; Documentation & Record Keeping; Accident Causation & Prevention; Ergonomics & Safety; Risk Management System; Specific Hazard Management; Industrial Hygiene; Personal Health & Hygiene; OHS Training; OHS Issues for Specific Areas ; Workplace Environment; Workplace Layout and Design; Food Safety; HACCP; Emergency Management; Fire Safety; Improving Safety; Consultation and Communication

TRSM6064 – STRATEGIC MANAGEMENT AND CONTEMPORARY ISSUES IN EVENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify basic cooking methods; Explain basic gastronomy terminology and food safety; Use primary kitchen equipment, utensils and machinery's in a safe and hygienic way; Analyze basic knowledge of the preparation of soups, stocks, sauces, cutting and cooking techniques, food quality and characteristics; Create new menu for their own restaurant

Topics: Basic Principles of Food Production; Basic Principles of Cooking; Larder Cookery; Basic Stocks, Sauces and Soups; Vegetables Cookery; Meats and Game Cookery; Poultry and Game Birds; Fish and Shellfish; Breakfast Preparation; Food Presentation and Garnish; Bakeshop Production: Basic Principles and Ingredients; Patisserie; Legumes, Grains, Pasta and Vegetarian Diets.

TRSM6066 - ROOMS DIVISION MANAGEMENT (4 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 Loyalty; 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; Environmental Concerns

TRSM6074 - 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 Event Management 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: Trend Issues in Showbiz management , Meeting, Incentive, Conference and Exhibition; Event design and Production; Marketing and PR in Event; Operation and Handling Event; Event Project.

TRSM6075 - PERSONAL GROOMING (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Understand the impact of grooming and its importance to well being and success; Identify tips on developing diets for a healthy lifestyle and incorporating exercise in one's daily routine; Understand and know the art of office and social etiquette; Apply professional attitude in hospitality industry effectively.

Topics: Appropriate professional appearance; Body Building and shaping for success; Use of Correct manners and etiquette; Appropriate personal behavior; Clothing care and maintenance; Appropriate styles for your individual body; Overall cleanliness and grooming; Making introductions and appropriate greetings; Being able to initiate and maintain conversations; Respecting the customs of others; Knowing appropriate dining rules and protocol; Extending courteous behaviour to others; Knowing how to behave professional in difficult situations.

TRSM6076 - INTRODUCTION TO TOURISM AND HOSPITALITY INDUSTRY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Underline the different opportunities within the Tourism and Hospitality industry; Recognize the type of Tourism and Hospitality establishment; Illustrate a deep understanding about the growth of Tourism and Hospitality industry; Analyze the current and future trends on the Tourism and Hospitality industry

Topics: Tourism In Perspective; Tourism Through The Ages; Career Opportunities; Passenger Transportation; World, National, Regional, and Other Organizations; Hospitality and Related Services; Organizations in the Distribution Process; Motivation for Pleasure Travel; Attractions, Entertainment, Recreation, and Other; Assemblies and Event Management; Cultural and International Tourism of Life's Enrichment; Sociology of Tourism; Tourism Components and Environment; Tourism's Future; The Hospitality Spirit; Understanding Hotel Operations; The Hotel Business; Managed Services; Characteristic of Services; Rooms Division Operations; Housekeeping engineering and security; The Restaurant business and operations; Food and Beverage operations; Human Resource Management; Hospitality Marketing; Accounting, Finance and Cost control

TRSM6077 - PHILOSOPHY OF TOURISM, LAW AND ETHICS (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify Philosophical Issues in Tourism industry; Identify Truth: Reality, Knowledge and Disciplines in tourism; Critically evaluate and apply relevant Law, ethical theories, well being, aesthetic and art in tourism; Demonstrate a critical understanding of moral reasoning and the process and consequences of ethical decision-making in tourism management for tourism sustainability.

Topics: The significance of ethics in tourism management, philosophical terminology and concepts; The applications of ethics,; Tourism human rights and Law; Environmental ethics, tools and management systems for the implementation of ethical values in the tourism industri; The opportunities and challenges to implementation of ethical principles in the tourism sector.

TRSM6078 - FOOD PRODUCTION, PASTRY AND BAKERY INTRODUCTION (2/4 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.

TRSM6079 – FOOD & BEVERAGES SERVICE OPERATIONS INTRODUCTION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify types of restaurant and its organization, layouts and types of service; Demonstrate basic skills and knowledge of servers in restaurant operations; Use restaurant and bar equipments according to their proper functions; Recognize the importance of product knowledge and menu in restaurant operations; Apply the types of serving techniques in food service operations; Demonstrate the basic knowledge of restaurant policy

Topics: The Restaurant; The Server; Restaurant Service Equipments; Types of Services in Restaurants; Cover Set-Up; Restaurant Procedures; Bar Service; Food Production; The Menu; Banquet; Room Service; Hygiene and Sanitation in Restaurants; Service Competencies and Attitude

TRSM6080 - ROOMS DIVISION OPERATIONS INTRODUCTION (2/2 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

TRSM6081 – EVENT MANAGEMENT INTRODUCTION (4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Defend all aspects of the tourism industry; Analyze the principles of tourism sustainability related to environmental and cultural impact and the concept of future tourism / including forecasting and future issues affecting the global nature of tourism; Demonstrate to gather information to plan a special event or conference; Design a variety of promotional techniques in relation to a specific special event/conference

Topics: Tourism today; Transporting the tourist I; Accommodation and hospitality services (Tour operating and travel retailing); Visitor attractions (The management of tourism); The public sector and tourism, Managing the visitor and their impacts; The future of tourismion (presentation and project); Event Management Trends in Asia; Event tourism; The event concept; Event planning and logistic; Integrated Marketing communications in event management; Research and evaluation approaches; Presentation event or Project.

TRSM6082 – RESEARCH METHODOLOGY FOR TOURISM AND HOSPITALITY (4 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.

TRSM6083 - FACILITY AND DESIGN PLANNING FOR TOURISM RESORT, HOTEL & RESTAURANT (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 Design; 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.

TRSM6084 – FRONT OFFICE ADMINISTRATIONS AND OPERATIONS (2 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.

TRSM6085 - RESTAURANT AND BAR SERVICE OPERATION (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

TRSM6086 – HOUSEKEEPING OPERATION (2 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.

TRSM6087 – PUBLIC RELATIONS, FUND RAISING AND SPONSORSHIP FOR EVENT (2 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 Sponsorship; Developing Sponsorship Strategy; Planning for Success.; Sponsorship Implementation.; Sponsorship Evaluation; Sponsorship Seekers; Developing a Sponsorship Strategy.; Essential Sales Preparation.; Thinking out of the box; The Sales Process.; Servicing and Renewal.; Sponsorship in the Future.; Review.

TRSM6088 - EXPO AND EXHIBITION MANAGEMENT (2/4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain a various knowledge and concepts of exhibition management applicable to the hospitality industry; Analyze existing and proposed exhibitions, and justify solutions to inherent problems; Create creative and analytical skills in managing exhibition assignments; Propose the potential showcase business project.

Topics: Summary; Customer Insight and Market Analysis; Collaboration; Advocacies and Action Steps; Advocacy for the Institution; Business Model Environment; Advocacy for the Subject Matter; Advocacy for Visitor Experiences; Advocacy for Design; Advocacy for Project and Team; Building and Maintaning relationship; New Product / Service Development; Design Process; Methods and Techniques; Prototyping Product; Process and Phases; Evaluating Product/ Services Prototype.

TRSM6089 - PASTRY, BAKERY AND CHOCOLATE (6 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, Chocolate and cakes; Describe the processing of bread, cakes, Chocolate and desserts; Demonstrate how to make bread and cakes.

Topics: Equipment and Utensil; Ingredient; Bread; Cream and Custard; Cookies; Cakes; Pastry and Chocolate

TRSM6092 - INDONESIAN CUISINE (2/4 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 the Feast; The Indonesian Chillies; Traditional Beverages; Snack & Street Foods; Sumatran Dishes; Javanese Dishes; Madura & Bali Dishes; Kalimantan Dishes; Sulawesi Dishes; Eastern Indonesia Dishes; Taste of Indonesia.

TRSM6094 - RESTAURANT AND BAR MANAGEMENT (2/4 Credits)

Learning Outcomes: On successful completion of this course, students 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; 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

TRSM6095 - THE ART OF WINE AND COFFEE (2/4 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; Classify Ideas and challenges to the feasibility of Wine and Coffee operations and Management; Propose business plan and the showcased potential business project

Topics: Viticulture - The Basics; Business Plan Preparation; Climate; Soil; The Vineyard; Financial Aspect of Business; The Harvest; Vinification - The Basics; Develop A Business Plan; Red Wine making; Dry White Wine making; Making other types of Still Wine; Knowing your Coffee Bean; Strategic Future Plan; Selecting coffee bean; Your Business Now; Coffee roasts and roasting; Espresso; Business Plan Evaluation; Coffee Serving and Recipes

TRSM6096 - EVENT DESIGN & PRODUCTION (2/4 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the event design and develop product process; Translate conceptual ideas into clear sketches and be able to implement research concepts in festivals and/or events and examine how they reflect the arts, environment, culture and/or heritage of a place; Apply skills and attitudes for successful careers in the design and events, from the smallest to the largest scales; Analyze the interrelationships of education and work experience in the event industry.

Topics: Entertainment; Décor; Audio System; Visual Presentation Technology; Lighting Systems; Special Effects; Staging; Tenting; Miscellaneous Technical Resources; Presentation or Project by event management team

TRSM6097 - SHOWBIZ & ENTERTAINMENT PROJECT MANAGEMENT (2/4 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 the Feast; The Indonesian Chillies; Traditional Beverages; Snack & Street Foods; Sumatran Dishes; Javanese Dishes; Madura & Bali Dishes; Kalimantan Dishes; Sulawesi Dishes; Eastern Indonesia Dishes; Taste of Indonesia.

TRSM6098 - CONFERENCE MANAGEMENT (2/2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify the basic concepts and elements in organizing conferences; Recognize the standards of professionalism and service quality through additional knowledge and experience gained about the conference management industry in conference business; Demonstrate knowledge of conference management techniques (concept, marketing, budgeting) in reality

Topics: What are workshops and seminars?; Logistics : Date, time, place; Creating a budget; Establishing your team of professionals; Funding, sponsors, and donations; Get ready to deliver; Marketing the seminar and workshop to the right audience; Deliver; Working with attendees; Mistakes and disasters and how to avoid them; Evaluating the seminar and workshop success; What you need to do if you are setting up an event, workshop, seminar, or conference planning business.

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.

TRSM6100 - INDUSTRIAL WORK PLACEMENT I (8 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6101 - LEADERSHIP IN HOTEL OPERATION I (4 Credits)

Learning Outcomes: By the end of this course, students will be able to: contribute in team and good discipline.

Topics: Contributions to Team; Problem Solving & Decision Making; Time Management;

TRSM6102 - OPERATIONAL SKILL IN HOTEL OPERATION (4 Credits)

Learning Outcomes: By the end of this course, students 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)

TRSM6104 - INDUSTRIAL WORK PLACEMENT I (8 Credit)

Learning Outcomes: By the end of this course, students will be able to: Explain the task of student internship in Hospitality Industry (MICE); 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

TRSM6105 - LEADERSHIP IN MANAGING EVENT I (4 Credit)

Learning Outcomes: By the end of this course, students will be able to: Develop critical thinking skills, develop an understanding of change processes and be able to think critically about obstacles to change. Students will understand and be able to use a process for decision making. Learn how to communicate effectively (using written and spoken word, non-verbal language, electronic tools, and listening skills) to develop relationships, manage conflicts, and work across differences.

Topics: Introduction to Internship; situation analysis needs assessment, planning and budgeting, organization of services, management performance, monitoring and evaluation.

TRSM6106 - MICE MANAGEMENT SKILL (4 Credit)

Learning Outcomes: By the end of this course, students will be able to: Identify the range of operational skills that an event manager needs to be able to utilise, demonstrate an understanding of the relationship between event operations and the event experience, Understand the operational constraints under which event managers are engaged; and demonstrate a range of key skills that are required in an operational event environment including: communication and literacy; problem solving; and independent learning and working.

Topics: Introduction to Internship; The Scope of Work in Internship; specific to the events industry. Analysis of current issues and future trends in meeting, exhibition and event management and their impact on other sectors within the hospitality.

TRSM6107 - INDUSTRIAL WORK PLACEMENT (8 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6108 - INDUSTRIAL WORK PLACEMENT I (8 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6109 - LEADERSHIP IN CULINARY I (4 CREDITS)

Learning Outcomes: By the end of this course, students will be able to: contribute in team and good discipline.

Topics: Contributing to Teams; Problem Solving & Decision Making; Time Management; Introduction to Revenue Management

TRSM6110 - BASIC CULINARY SKILL (4 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6111 - LEADERSHIP IN CULINARY (4 CREDITS)

Learning Outcomes: By the end of this course, students will be able to: contribute in team and good discipline.

Topics: Contributing to Teams; Problem Solving & Decision Making; Time Management; Introduction to Revenue Management

TRSM6112 - INDUSTRIAL WORK PLACEMENT II (8 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6113 - LEADERSHIP IN HOTEL OPERATION II (4 Credits)

Learning Outcomes: By the end of this course, students will be able to: contribute in team and good discipline.

Topics: Contributions to Team; Problem Solving & Decision Making; Time Management;

TRSM6114 - MANAGERIAL SKILL IN HOTEL OPERATION (4 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6116 - INDUSTRIAL WORK PLACEMENT II (8 Credit)

Learning Outcomes: By the end of this course, students will be able to: Demonstrate an understanding of the industry/business environment in which the employing company or organisation operates, describe the purpose of their role within the context of the business and the contribution it makes to the organisation as a whole, describe the structure of the organisation and the purpose/role of each department and key function within the organization, identify the purpose and activities undertaken by key individual roles within the organization, identify the primary policies in operation at the employing organisation and evaluate their effectiveness

Topics: Introduction to Internship; The Scope of Work in Internship; Skills Development and Assessment in Industry; Project Work in Industry, Managing tasks, Applying initiative in work

TRSM6117 - LEADERSHIP IN MANAGING EVENT II (4 Credit)

Learning Outcomes: By the end of this course, students will be able to: Understand how to create an event that achieves specific objectives for the host/client., design a planning process that incorporates budgeting, project management, communication and evaluation tools, have an understanding of the various event elements and how to cost-effectively employ them, Understand the role of the planner on site at the event, and the mindset necessary to oversee successful event coordination.

Topics: Introduction to Internship; The Scope of Work in Internship; self-aware and reflective practitioner, Leadership of events, event staff and stakeholder, Identifying and seizing opportunities in the contemporary business environment

TRSM6118 - SHOWBIZ MANAGEMENT SKILL (4 Credit)

Learning Outcomes: By the end of this course, students will be able to: Arrange specific show business, how to arrange and what approaches to take in acquiring them, create show business items, both production and talent

Topics: Introduction to Internship; The Scope of Work in Internship; Purpose, design and approach research, limitations and implications, originality/value

TRSM6119 - INDUSTRIAL WORK PLACEMENT (8 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6120 - INDUSTRIAL WORK PLACEMENT II (8 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6121 - LEADERSHIP IN CULINARY II (4 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6122 - INTERMEDIATE CULINARY SKILL (4 Credits)

Learning Outcomes: By the end of this course, students 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

TRSM6123 - LEADERSHIP IN HOTEL OPERATION (4 Credits)

Learning Outcomes: By the end of this course, students will be able to: contribute in team and good discipline.

Topics: Contributions to Team; Problem Solving & Decision Making; Time Management;

TRSM6130 – ASIAN CUISINE (6 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 Phillipin.

TRSM6132 - PRINCIPLES OF TOURISM, LEISURE AND RECREATION (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify major concepts in tourism; Analyse what makes tourism possible to tourism; Analyse how tourism become an important factor of any nation; Apply a simple tourism forecasting - supply and demand

Topics: Part I Tourism Overview; Part II How Tourism Organized and Managed; Part II How Tourism Organized and Managed (Cont'd); Part III Understanding Travel Behavior; Understanding Travel Behavior (Cont'd); Part IV Tourism Supply, Demand, Policy, Planning and Development; Tourism Supply, Demand, Policy, Planning and Development (Cont'd); Part V Essentials of Tourism Research and Marketing; Field Project Study; Essentials of Tourism Research and Marketing (Cont'd)

TRSM6133 - TOURISM GEOGRAPHY (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Define World and Indonesia Tourism destination; Demonstrate a critical understanding of the world tourist attractions; Apply world tourist attractions to be implemented Tourism management; Analyze tourist destination as a geographical factors

Topics: Geography of travel and tourism: the Attraction of Place; Patterns and Processes of World Tourism; Processes of World Tourism; Geography and Tourism in North America; Geography and Tourism in Mexico; Geography and Tourism in Central America and the Caribbean; Geography and Tourism in South America; Geography and Tourism in Western Europe; Geography and Tourism in Northern Europe; Geography and Tourism in Southern Europe; Geography and Tourism in Central Europe; Geography and Tourism in The Balkan States; Geography and Tourism in Russia and the former Soviet Union; Geography and Tourism in Middle East and Africa; Geography and Tourism in Australia, New Zealand and the Islands of the South Pacific; Geography and Tourism in Asia; Geography and Tourism in South East Asia; Geography and Tourism in Indonesia

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: Mastering different types of hotel management operations as well as the ability to identify and study the problems commonly encountered

Topics: Principles and in the travel, hotel and restaurant management, Current issues and trends on Travel, hotel and restaurant industry, Understanding the structures of the travel, hotel and restaurant as organisasi, The operational cases of travel, hotels and restaurants, Products and markets, Marketing your business, pricing, The Financial elements of your business, Managing the employees, Training and Developing your employees, Managing cases and issues in the travel, hotel and restaurant, Competitive strategy and strategic direction for travel and tourism organisasi, Business Planning on Travel, hotel and restaurant industries, Business Plan Workshop.

TRSM6137 - INDONESIAN CULTURE, HISTORY AND HERITAGE (4 Credits)

Learning Outcomes : Comprehend the Principles and Basic Concepts of Culture ; Indonesian cultures; Indonesian History; Pusaka Indonesia basic knowledge about the history , , the ability cultural and heritage in the context of tourism

Topics : Culture, History and the Indonesian Heritage in the Context of Tourism; Current Issues in Culture, History , and Pusaka Indonesia in Tourism, trend and issues for Indonesia Culture and Heritage

TRSM6138 - TRANSPORTATION AND TRAVEL INDUSTRY MANAGEMENT (4 Credits)

Learning Outcomes: Mastering basic knowledge of transportation and travel industry management, as well as identify and assess the common problems encountered in a related field

Topics: Principles and Concepts of Basic Management; Transportation Systems; Principles and Basic Concepts of Travel Industry; Travel Industry; Current Issues in the Management of Transport and Travel Industry

TRSM6139 - E BUSINESS AND DIGITAL MEDIA FOR TOURISM (4 Credits)

Learning Outcomes: Mastering basic knowledge of e-business and digital media as well as its application in the management of tourism destinations, as well as the ability to identify and study the problems encountered in the related field

Topics: Concepts, Theories and Principles in E-Business; Concepts, Theories and basic principle in Digital Media; E-Business and Digital Media in the Context of Tourism Destinations.

TRSM6140 - TOURISM LAW AND REGULATION (2 Credits)

Learning Outcomes: Mastering basic knowledge of laws and regulations in the field of tourism, as well as to identify and study the problems encountered in the related field

Topics: Concepts, Theories and Principles in Law and Regulations Tourism; Current Issues in Law and Regulations Tourism

TRSM6141 - TOURISM DESTINATION PLANNING AND MANAGEMENT (4 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Mastering basic knowledge about planning and management of tourism destination, as well as the ability to identify and study the problems in the related field.

Topics: Theory and basic concepts of tourism destination; Theory and basic concepts of tourism planning;,, Theory and basic concepts of tourism management; Issues on tourism planning and management

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 - FIELD PROJECT STUDY (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 - FIELD PROJECT STUDY REPORT (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 - FIELD PROJECT AND SEMINAR (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 - INDUSTRIAL INTERNSHIP (8 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: apply the skill and knowledge related tourism in the working place, able to supervise and give the solution to the basic problem within tourism industry.

Topics : professional attitude skill, tourism hardskill and soft skill, tourism planning and design, tourism marketing and tourism management.

TRSM6149 - PROFESSIONAL ETHICS IN TOURISM INDUSTRY (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 - MANAGERIAL SKILLS IN TOURISM INDUSTRY (4 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: apply managerial skills in workplace related to tourism area, able to apply the relevant theory in tourism industry workforce

Topics : aspects of the management of tourism organizations , leadership in tourism industry, management skill and knowledge for public tourism sector and private tourism industry.

TRSM6151 – THESIS (6 Credits)

Learning Outcomes : On successful completion of this course, student will be able to: develop a research proposal and carry out stage by stage of research , ranging from preparing the research proposal , find and process data , and presented in an academic paper by applying concepts, theories , and principles of tourism imu .

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 : 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 : 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.

TRSM6156 - INDUSTRIAL WORK PLACEMENT (8 Credits)

Learning Outcomes: By the end of this course, students 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

3. 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 22 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)

Student Activity Unit (UKM)

There are 44 UKM that consists of:

4 UKM of intellectual activity:

1. *Bina Nusantara Computer Club* (BNCC)
2. *Bina Nusantara English Club* (BNEC)
3. *Bina Nusantara Mandarin Club* (BNMC)
4. *Nippon Club* (NC)

6 UKM of Arts:

1. Band
2. Klub Pecinta Fotografi Bina Nusantara (KLIFONARA)
3. Paduan Suara Mahasiswa Bina Nusantara (PARAMABIRA)
4. Seni Teater Mahasiswa Bina Nusantara (ST Manis)
5. Seni Tari Mahasiswa Bina Nusantara (STAMANARA)
6. Bersama Dalam Musik (BDM)

16 UKM of Sports:

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

6 UKM of Spirituality:

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)

11 Community:

1. AIESEC
2. Fopasbin (Forum Pasukan Pengibar Bendera Bina Nusantara)
3. TFI Structural
4. BSSC (Binus Square Student Committee)
5. BSLC (Binus Student Learning Community)
6. Binus TV Club
7. BGDC (Binus Game Development Community)
8. CSC (Cyber Security Club)
9. B-Preneur
10. IMCB (International Marketing Community)
11. ISACA Student Group

1 Information Media:

Bina Nusantara Voice (B-Voice)

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 2015 until May 2016**

No.	Faculty/UKM/HMJ	Events	Achievements	Level
1	DKV AN	Line Sticker Contest	Ranking 1	Nasional
2	Renang Indah	28th Sea Games Singapore	Bronze Medal Award	Internasional
3	Renang Indah	28th Sea Games Singapore	Bronze Medal Award	Internasional
4	Fin Swimming	Kejuaraan Daerah Finswimming Nomor Kolam 2015	Juara 1	Provinsi
5	Fin Swimming	Kejuaraan Daerah Finswimming Nomor Kolam 2015	Juara 1	Provinsi
6	Fin Swimming	Kejuaraan Daerah Finswimming Nomor Kolam 2015	Juara 1	Provinsi
7	Akuntansi	Institute of Chartered Accountants in England and Wales (ICAEW) Regional Business Challenge	Best Business Case Presenter	Internasional
8	Sastra China	Shui Lifang Tingkat Nasional 28 Juni 2015	Juara Harapan	Nasional
9	BNEC	The Nationals 2015	Champion Intermediate Division	Nasional
10	BNEC	The Nationals 2015	High Game Intermediate Division	Nasional
11	BNEC	The Nationals 2015	2nd Rank Team Unity	Nasional
12	Anggar	Kejuaraan Daerah anggar DKI Jakarta	Juara 1	Jabodetabek
13	Hubungan Internasional	Jakarta Model United Nations 2015	Most Outstanding Delegate (Juara 2)	Internasional
14	Hubungan Internasional	Moestopo Model United Nations 2015	Honorable Mention (Juara 3)	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
15	Hubungan Internasional	Moestopo Model United Nations 2015	Top 10 Delegates	Nasional
16	Sistem Komputer	Lomba ROG OC Showdown Formula Round 2	Juara 3	Internasional
17	DKV NM	KCC 4th Anniversary Photo Contest" tema Capturing The Moment	Juara 3	Internasional
18	DKV NM	KCC 4th Anniversary Photo Contest" tema Capturing The Moment	Juara Harapan 1	Internasional
19	Komunikasi Pemasaran	Kejuaraan Judo Kapolri Cup 2015	Juara 1	Nasional
20	Golf	4th Indonesia Elite Amateur Championship	Juara 2	Nasional
21	BNEC	Bandar Lampung Scrabble Open	1 st Runner Up (Juara 2) Scrabble	Nasional
22	BNEC	Bandar Lampung Scrabble Open	2 nd Runner Up (Juara 3)	Nasional
23	BNEC	University Asia Debate Competition (UADC)	6 th Best Speaker	Asia
24	Hubungan Internasional	Indonesia MUN 2015	Best Position Paper	Nasional
25	Karate	Thailand Open Karatedo 2015	Juara 1	Asia
26	Karate	Thailand Open Karatedo 2015	5 Besar	Asia
27	Swanarapala	"Aksi Untuk Bumi" Climbing Competition	Juara 2	Jabodetabek
28	BNEC	University Asia Debate Competition (UADC)	5th rank	Asia
29	BNEC	University Asia Debate Competition (UADC)	7th rank	Asia
30	BNEC	University Asia Debate Competition (UADC)	6th Best Speaker EFL	Asia
31	BNEC	JOVED UAJY 2015	2nd Runner Up	Nasional
32	BNEC	Bandar Lampung Scrabble Challenge	Highest Rating Change	Nasional
33	Sepak Bola Alsut	Prasmul Cup Olympic	Juara 2	Jabodetabek
34	Sepak Bola Alsut	Prasmul Cup Olympic	Juara 2	Jabodetabek
35	Sastra Jepang	dai 34 kai Kounai Nihongo Benron Taikai	Juara 1	Internasional
36	SOCS	Lomba programming Ultifortech 2015	Juara 1	Jabodetabek
37	SOCS	Lomba programming Ultifortech 2015	Juara 2	Jabodetabek
38	SOCS	Lomba programming Ultifortech 2015	Juara 3	Jabodetabek
39	BNAC	Sean gelael heading to the top Gokart Competition	Juara 3	Jabodetabek
40	SCDC	The 3rd IPB Business Festival, Marketing Debate	Juara 3	Nasional
41	Hotel Management	Starwood Careers Month 2015	Juara 1 Table set up Competition	Asean
42	Hotel Management	Starwood Careers Month 2015	Juara 2 Table set up Competition	Asean
43	Hotel Management	Starwood Careers Month 2015	Juara 2 Mixology Competition	Asean
44	Hotel Management	Starwood Careers Month 2015	Juara 3 Mixology Competition	Asean

No.	Faculty/UKM/HMJ	Events	Achievements	Level
45	Sastra Jepang	Lomba Pidato Bahasa Jepang	Juara 3	Nasional
46	Sastra Jepang	Lomba Pidato Bahasa Jepang	Juara Khusus	Nasional
47	Anggar	PraPON Anggar	Medali Perak	Nasional
48	DKV New Media	Sayembara Desain Kaos Teman Ahok	Juara 2 Kelompok Penilaian Juri	Nasional
49	DKV AN	Indonesia ICT Award 2015	1st Winner untuk kategori animasi perguruan tinggi	Nasional
50	TI-MAT	The Malaysia Invitational Ice Hockey Tournament 2015	Woman Division Champion	Internasional
51	Band	Festival Band HighSchool Celebration 2015	Juara 3	Jabodetabek
52	Karate	Thailand Open Karatedo 2015	Juara 1	Asia
53	Sastra Jepang	Monbukagakusho 2015 Kedutaan Besar Jepang	Mendapat Beasiswa	Internasional
54	Sastra Jepang	2nd Japanese Experience Contest	Top 5	Nasional
55	SoCS/SLC	Cyber Defense Competition ICSS 2015	3	Nasional
56	SOCS	INAICTA 2015	Merit (Juara 2)	Nasional
57	BNEC	Padjajaran Debating Championship 2015	Juara 2	Nasional
58	Hubungan Internasional	FKMHII Korwil II Model united Nations	Best Delegate	Nasional
59	Gabungan	Tyrano Builder Summer Game Jam 2015	Juara 2	Internasional
60	DKV Animasi	Brave Frontier Unit ART Contest	Juara 4	Internasional
61	Golf	5th Indonesia Elite Aneteur Championship	Juara 1	Nasional
62	Golf	5th Indonesia Elite Aneteur Championship	Juara 3	Nasional
63	Golf	The 13th Credit Suisse Amateur Match Play Championship	Juara 1	Nasional
64	MTI	Lomba karya tulis ilmiah BI Campus Knowledge Competition (BI-CKC) 2015	Juara 1	Nasional
65	Teknik Informatika	CompFest 7 - 2015	Honorable Mention Juara 4	Nasional
66	Teknik Informatika	Indonesia National Contest (INC) - 2015	Juara 6	Nasional
67	Sistem Komputer	Biostar OC Challenge	Juara 1	Nasional
68	Sistem Komputer	Biostar OC Challenge	Juara 3	Nasional
69	Akuntansi	ATV AUDIT 2015	Juara 1	Nasional
70	Akuntansi	Padjajaran Accounting Week 2015	Best on Random Topic	Nasional
71	Karate	Pra PON XIX Medan	Medali Emas Kumite Perorangan Putri -61 Kg (Cabang Karate).	Nasional
72	Karate	Pra PON XIX Medan	Medali Perak Kata Perorangan Putra.	Nasional
73	Golf	6th Indonesia Elite Amateur Championship	Juara 1	Nasional
74	Karate	Full Contact Karate Open	Juara 3	Nasional
75	Karate	Full Contact Karate Open	Juara 2	Nasional
76	Karate	Full Contact Karate Open	Juara 1	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
77	Karate	Full Contact Karate Open	Juara 2	Nasional
78	Karate	Full Contact Karate Open	Juara 3	Nasional
79	International Marketing	PPM 6 th Business Challenge	Juara 1	Nasional
80	SOCS	CompFest 7 - 2015	Honorable Mention	nasional
81	SOCS	Indonesia National Contest (INC) - 2015	Juara 6	nasional
82	Sastra Jepang	Momiji Japan Indonesia Exchange Fair 2015	Juara 1	Nasional
83	Golf	7th Indonesia Elite Amateur Championship	Juara 3	Nasional
84	Golf	IGT Final	Juara 1	Nasional
85	Hubungan Internasional	Paris Cop21 2015 Simulation United Nations Framework Convention on Climate Chang (UNFCCC)	Most Outstanding Delegate (Juara 2)	Nasional
86	BASIC	Kejuaraan Renang antar Perguruan tinggi se-Indonesia	Juara 2	Nasional
87	BASIC	Kejuaraan Renang antar Perguruan tinggi se-Indonesia	Juara 3	Nasional
88	Merpati Putih	Invitasi Olahraga Mahasiswa cabang Pencak Silat	Juara 3	Nasional
89	Psikologi	Psyventure	Juara 1	Nasional
90	Taekwondo	Tae Kwon Do Jaguar Cup 2	Juara 2	Nasional
91	Sistem Komputer	MSI GODLIKE OC Tournament: Ambient 3D Battle	Juara 3	Nasional
92	BNEC	Asian British Parliament	EFL Category Champion	Asian
93	BNEC	Asian British Parliament	4th Best Speaker	Asian
94	BNEC	Asian British Parliament	7th Best Speaker	Asian
95	BNEC	Binus International E-Com (Scrabble)	4th Rank	Nasional
96	BNEC	Binus International E-Com (Scrabble)	5th Rank	Nasional
97	BNEC	Binus International E-Com (Scrabble)	11th Rank	Nasional
98	BNEC	Binus International E-Com (Scrabble)	12th Rank	Nasional
99	BNEC	Founder's Trophy	Best Novice Team	Nasional
100	Badminton	Tarumanagara Sport Challenge	Juara 1	Jabodetabek
101	Badminton	Tarumanagara Sport Challenge	Juara 3	Jabodetabek
102	Sepak Bola	Atmajaya Cup 2015	Juara 3	Jabodetabek
103	Volley	Tarumanagara Sport Challenge	Juara 1	Jabodetabek
104	Karate	Pekan Olahraga Mahasiswa Nasional XIV - (2015)	Medali Emas	Nasional
105	Karate	Pekan Olahraga Mahasiswa Nasional XIV - (2015)	Medali Emas	Nasional
106	Karate	Pekan Olahraga Mahasiswa Nasional XIV - (2015)	Medali Perak	Nasional
107	Karate	Pekan Olahraga Mahasiswa Nasional XIV - (2015)	Medali Perunggu	Nasional
108	Judo	Kejurnas Judo Mahasiswa 2015	Medali Emas	Nasional
109	BNCC	Jagat AOCT	Juara 1	Jabodetabek

No.	Faculty/UKM/HMJ	Events	Achievements	Level
110	BNCC	Hexion Mobile Application Development (2015)	Juara 3	Jabodetabek
111	BNCC	Hexion Mobile Application Development (2015)	Juara 2	Jabodetabek
112	BNAC	KONTES MODIFIKASI ANNIVERSARY IOC 10TH	Juara 2	Jabodetabek
113	BNAC	KONTES MODIFIKASI ANNIVERSARY IOC 10TH	Juara 3	Jabodetabek
114	BNAC	KONTES MODIFIKASI BANDUNG MOTO CONTEST DAN SAFETY RIDING CHALLENGE	Juara 2	Nasional
115	BNAC	KONTES FESTIVAL OTOMOTIF INDONESIA 2015	Juara 2	Nasional
116	Volley	Tarumanagara Sport Challenge	Juara 2	Jabodetabek
117	Hubungan Internasional	President Model United Nations 2015	Best Position Paper	Nasional
118	Hubungan Internasional	President Model United Nations 2015	Best Delegate	Nasional
119	BNSC	Kejuaraan Nasional Pelajar XVI Serie B	Juara 3	Nasional
120	Psikologi	Cerdas Cermat Psychobig	Juara 1	Nasional
121	TDMN	Zyncd Digital Marketing Contest 2015	Juara 2	Nasional
122	TDMN	Viral Campaign UFL 2015	Juara 1	Nasional
123	Hubungan Internasional	The 2016 Asian English Olympics	First Runner Up	Internasional - Asia
124	Manajemen	MPC Eureka 2016	Juara 3	Jabodetabek
125	Golf	1st Indonesia Elite Amateur Championship 2016	Juara 1	Nasional
126	Hubungan Internasional	Airlangga Model United Nations	Juara 1	Nasional
127	Teknik Industri	Fusion Mini Competition "Indonesia Handicraft"	Juara 3	Internasional
128	BNEC	The 2016 Asian English Olympics	2 nd Runner up	Internasional - Asia
129	BNEC	The 2016 Asian English Olympics	Top 5 th Best Speaker	Internasional - Asia
130	BNEC	The 2016 Asian English Olympics	Top 2 nd Best Speaker	Internasional - Asia
131	BNEC	The 2016 Asian English Olympics	4 th Place	Internasional - Asia
132	BNEC	The 2016 Asian English Olympics	9 th Place	Internasional - Asia
133	BNEC	The 2016 Asian English Olympics	2 nd Place	Internasional - Asia
134	BNEC	The 2016 Asian English Olympics	5 th Place	Internasional - Asia
135	BNEC	The 2016 Asian English Olympics	7 th Place	Internasional - Asia
136	Hubungan Internasional	UST Model United Nations 2016	The Runway Delegate	Internasional - Asia
137	Hubungan Internasional	UST Model United Nations 2016	Second Best Position Paper	Internasional - Asia
138	Hotel Management	"The 9 th Bali Salon Culinaire 2016"	BRONZE AWARD	Internasional
139	Hotel Management	"The 9 th Bali Salon Culinaire 2016"	BRONZE AWARD	Internasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
140	Hotel Management	"The 9 th Bali Salon Culinaire 2016"	SILVER AWARD	Internasional
141	Hotel Management	"The 9 th Bali Salon Culinaire 2016"	DIPLOMA AWARD	Internasional
142	Hotel Management	"The 9 th Bali Salon Culinaire 2016"	BRONZE AWARD	Internasional
143	Sistem Komputer	iTechno Cup 2016	Juara 1 Sesi Asus Over Clocking	Nasional
144	Sistem Komputer	iTechno Cup 2016	Juara 1 Sesi Biostar Over Clocking	Nasional
145	BASIC	Invitasi Renang Antar Perguruan Tinggi Seluruh Indonesia (IRAPTSI) 2016	Juara 2	Nasional
146	BASIC	Invitasi Renang Antar Perguruan Tinggi Seluruh Indonesia (IRAPTSI) 2016	Juara 3	Nasional
147	Akuntansi	Indonesia Accounting Fair 17	2	Nasional
148	Hotel Management	HOSPITOUR 2016	Juara II Speech Competition	Nasional
149	Hotel Management	HOSPITOUR 2016	Juara II Table Set Up Competition	Nasional
150	BNEC	Aku Untuk Indonesiaku	2 nd Runner Up Debate	Nasional
151	BNEC	Aku Untuk Indonesiaku	Best Speaker	Nasional
152	Hubungan Internasional	UST Model United Nations 2016	Best Delegate	Internasional - Asia
153	Sistem Informasi	International CHIUXID Design Challenge 2016	Runner-Up	Internasional
154	Sistem Informasi	International CHIUXID Design Challenge 2016	3 Besar	Internasional
155	Akuntansi	Atma Jaya Yogyakarta Supreme Accounting Competition (ASAC)	3	Nasional
156	Akuntansi	Parahyangan National Accounting Challenge	4	Nasional
157	Akuntansi	Deloitte Grand Ambassador	Top 10	Nasional
158	Teknik Industri	ERSI-PC 2016 (Ergonomic and Simulation Poster Competition 2016)	Juara 3	Nasional
159	Swanarapala	Wall Climbing and Single Rope Technique Competition	Juara 1	Jabodetabek
160	Karate	7th Silent Knight Malaysia 2016	Juara 1	Internasional - Asia
161	Stamanara	United In K-Pop Dance Competition	Juara 1	Jabodetabek
162	BNMC	Chinese Bridge 2016	Juara Harapan	Jabodetabek
163	Band	GORPARTY 2016	Juara 1	Jabodetabek
164	Band	Galaxy Festival Band	Juara 1	Jabodetabek
165	Hubungan Internasional	LSPR National Youth Championship 2016	Honorable Mention (Juara 3)	Nasional
166	Hubungan Internasional	Pertemuan Sela Nasional Mahasiswa Hubungan Internasional se-Indonesia (PSNMHII) XXVIII 2016	Top Ten Best Paper Presentation	Nasional
167	Hubungan Internasional	Java Model United Nations 2016	Honorable Mention (Juara 3)	Nasional
168	Karate	Kejuaraan Han Academy Olympic Day	Runner Up	Nasional

No.	Faculty/UKM/HMJ	Events	Achievements	Level
169	Karate	Kejuaraan Han Academy Olympic Day	Juara 1	Nasional
170	SOCS	Bukalapak Programming Contest Season 2	Juara 2	Nasional
171	SOBM	WOW Case Competition 2016 with Pertamina	Best Video	Nasional
172	SOBM	Binnova	Juara 1	Nasional
173	SOBM	Binnova	Juara 2	Nasional
174	SOCS	Ideafuse Programming Contest 2016	Juara 1	Nasional
175	Hubungan Internasional	LSPR National Youth Championship 2016	1st Winner	Nasional
176	Hockey	Fun Indoor Hockey Universitas Pancasila	Juara 2	Nasional
177	BADMINTON	LIGA MERAH MAROON	Juara III	Jabodetabek
178	BADMINTON	LIGA MERAH MAROON	Juara I	Jabodetabek
179	BADMINTON	LIGA MERAH MAROON	Juara II	Jabodetabek
180	BADMINTON	LIGA MERAH MAROON	Juara I	Jabodetabek
181	SEPAKBOLA ALSUT	Spartan Cup	Juara III	Jabodetabek
182	BASIC	SPH	Juara I	Jabodetabek
183	BASIC	SPH	Juara II	Jabodetabek
184	BASIC	SPH	Juara III	Jabodetabek
185	Sastra Jepang	Japan Foundation Benron Taikai 2016	Juara 3	Jakarta (Daerah)
186	Sastra Jepang	Japan Foundation Live Report Competition 2016	Juara 1	Nasional

4. 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

4.1 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.

4.2 History of BINUS UNIVERSITY INTERNATIONAL

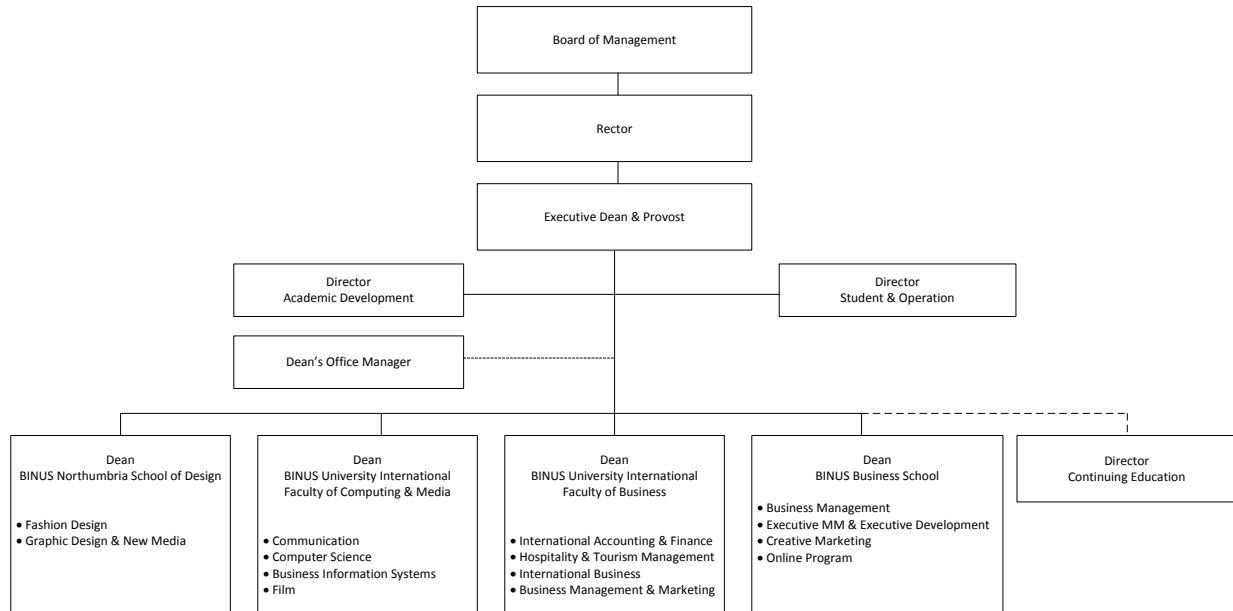
In the year 2000, Yayasan BINA NUSANTARA (BINA NUSANTARA Foundation) decided to move the Graduate School to a new location. Within less than a year, the foundation acquired a piece of land and started construction of a new modern facility at Jalan Hang Lekir I No. 6, right in the middle of Jakarta's 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 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, Film, Computer Science, Business Information Systems, Business Management & Marketing, and International Business, 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.

4.3 BINUS UNIVERSITY INTERNATIONAL Organizational Structure



All Heads of programs, faculty members and management of BINUS UNIVERSITY INTERNATIONAL and BINUS BUSINESS SCHOOL are accessible to students at the Joseph Wibowo Center for Advanced Learning. Students are encouraged to contact their respective Head of program to discuss academic issues. Another key function at BINUS UNIVERSITY INTERNATIONAL and BINUS BUSINESS SCHOOL is English Language Services (ELS), which also has both a manager and faculty available to help students in academic areas, especially in Academic English.

4.4 BINUS UNIVERSITY INTERNATIONAL Teaching and Learning Process

4.4.1 Education System

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**.

2. 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 UNIVERSITY INTERNATIONAL and has been working with BINUS since 2008.

BI program(s): Double degree in **International Business** and **Hospitality & Tourism Management**.

3. Cologne Business School

Founded in 1993, 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 **International Business**, **Business Information Systems**, **Business Management & Marketing**, and **International Accounting & Finance**.

4. Hotel Institute of Montreux

The school is located in the heart of Montreux, on the shores of Lake Geneva with the Alps providing a spectacular backdrop. This luxury destination on the Swiss Riviera is home to the famous Montreux Jazz

Festival, and only one hour from Geneva International Airport; gateway to Europe. Hotel Institute Montreux offers a combination of business programs that blend renowned Swiss hospitality practices with contemporary American management expertise. This unique combination will prepare graduates for top-end management positions in the world of hospitality and business.

BI program(s): Double degree in **Hospitality and Tourism Management**.

5. IÉSEG School of Management

IÉSEG School of Management is a post-bac business school in France, established in 1964 in Lille. This business school is a member of the Université Catholique de Lille, the largest private university in France in terms of student population and endowment. The school has two campuses, one in Lille and one in Paris. IÉSEG School of Management is ranked 21st in 2015 by the international Financial Times in its Master of Management ranking. As a French Grande Ecole and member of the Conférence des Grandes Écoles, IÉSEG is one of the most prestigious higher education institutions in the country. It has also been awarded two international accreditations : EQUIS and AACSB. The school has a total of 4,300 students on the Lille and Paris campuses. Bachelor and master's programs, the International and Executive MBA are taught in English. IÉSEG collaborates closely with the largest institute of research in Europe, the French National Centre for Scientific Research (CNRS). It was recently recognized as the number 3 business school in France in terms of academic excellence (EducPros/L'Étudiant 2015). The school welcomes 1900 international students; 84% of its permanent faculty is international, and it has a network of more than 235 partner universities in more than 60 countries.

BI program(s): Double Degree in **International Business**.

6. Inholland University of Applied Sciences

Inholland University of Applied Sciences is an ambitious institution of higher education in the western part of the Netherlands. Its vibrant learning and working community and particularly its scale is ideal for students who are keen to develop their theoretical knowledge as well as their practical skills. Offering competence-based learning, Inholland University of Applied Sciences is professionally involved both with the student, the market and society as a whole. In order to develop the quality of all higher education programmes offered by Inholland it has many strategic cooperation agreements with educational institutions both within the Netherlands and with more than 60 universities and higher education institutions abroad. The campus sites all have excellent ICT facilities and state-of-the-art purpose built accommodation. A large number of lecturers conduct applied research in a range of fields.

BI program(s): Double degree in **International Business** and **Computer Science**.

7. La Trobe University

La Trobe has been one of Australia's pioneering universities for forty years. In 1967, 552 students enrolled at La Trobe University, the third University to open in Victoria. It has grown to accommodate more than 26,000 students including approximately 3,500 international students from over 90 countries.

The university's courses and research programs are highly respected by industries and academic institutions both within Australia and internationally. Its research strategy promotes innovation, specialization and collaboration. All faculties have extensive and diverse research programs and the university is home to over 30 research centers and institutes.

BI program(s): Double degree in **Hospitality and Tourism Management**.

8. 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): Double Degree in **Business Management & Marketing**, and **International Accounting & Finance**.

9. 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.

BI program(s): Double degree in **International Business**.

10. 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, Communication**, and **Film**.

11. 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** and **Business Management & Marketing**.

12. 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**.

13. 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.

BI program(s): Double degree in **Business Management & Marketing**.

14. 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 Business**.

15. 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**.

16. 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**.

17. 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 **International Business**.

Note: See the chapter related to [Internationalization Program](#) for more partners of Study Abroad and Student Exchange Program.

4.4.2 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.

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 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 UNIVERSITY INTERNATIONAL, a potential student has to have a TOEFL score of at least 550 and a TWE score of at least 4.0 or their equivalents. If their TOEFL and/or TWE scores are below the requirement, students have to take a pre-session English course (Pre-University English) of 150 hours. BINUS UNIVERSITY INTERNATIONAL organizes these pre-session 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 is their medium of communication. 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 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 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 you to hatch your 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.

4.4.3 Evaluation System

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) 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.

Grading 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:

Grade	Weight	Score
A	4	90-100
A-	3.67	85-89
B+	3.33	80-84
B	3	75-79
B-	2.5	70-74
C	2	65-69
D	1	50-64
E	0	0-49

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.

4.5 Students Support Facilities

4.5.1 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.

4.5.2 English Language Services

English Language Services 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 UNIVERSITY INTERNATIONAL. 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 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 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.

4.5.3 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. 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, 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.

4.5.4 Center for Innovation and Entrepreneurship

The Center for Innovation and Entrepreneurship 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.

4.6 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

4.6.1 International Accounting & Finance

Introduction

The International Accounting & Finance program (also called the Accounting & Finance undergraduate program) 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 have been meeting the EFMD EPAS international standards.

The program aims to develop both the professional and soft skills of the students. Teaching delivery within the program integrates teaching methods that build effective personal, social and ethical professional conduct. Team building within and across disciplines is a unique feature in Binus University International.

In 2014, the program accommodates the need to develop the team works and ICT (Information and Communication Technology) skills through courses embracing innovative pedagogy approach. The approach is developed in check with the international lecturer community of the 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:

- Industry-Oriented Ethical Graduates With High Quality Competencies In Accounting And Relevant Knowledge;
- High-Quality Learning Environment Through Innovative And Relevant Curriculum;
- Innovative And Applied Research For Students And Faculty Members;
- Industry-Relevant Academic Activities; And
- 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 capability
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 context

Student Outcomes

1. Global mindset
2. Creativity and innovation
3. Real world knowledge application
4. Ethical, social, and professional conduct
5. Entrepreneurial skill
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 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 international context for students taking the single degree program in the International Accounting & Finance undergraduate program. Accesses to internships are also provided by the program for best students who meet BI regulations, and a special unit under the SAGE division of Binus University International.

Further career supports are available through workshops and job fairs arranged by SAGE and Binus University. The support can be accessed from www.binuscareer.com.

Award/Degree

- Sarjana Ekonomi from Binus University, Jakarta
- Dual Degrees: Sarjana Ekonomi from Binus University and Bachelor of Commerce from partner universities or Sarjana Ekonomi from Binus University and Bachelor of Arts for the double degree program in Accounting & International Business
- Master track: Sarjana Ekonomi from Binus University and Master of Commerce from partner universities

Major and Streaming

Streaming	Degree				Partner
	Single	Title	Double	Title	
Accounting & Finance			√	SE & B.Com.	UNSW, Victoria, CBS, Macquarie*
Accounting & International Business			√	S.E. & B.A.	Cologne Business School
Master Track			√	S.E. & M.Com, M.A.	MacQuarie, IESEG*
Minor in International Management Accounting	√	S.E.			

*In process with more partners

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 semester (3 semesters)*. The students will then return to Indonesia for their final project defense. The cumulative GPA for eligibility to embark is 3.00.

Note: A change to 2 semesters is under review by the partner university

Double Degree Program in Accounting & International Business

This double degree program is developed exclusively together with the 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 embark to Cologne, Germany and study there for 2 semesters, starting from the 7th to 8th semester. Students must complete their final projects while staying in Cologne. The cumulative GPA for eligibility to embark is 3.00. The remaining graduation requirements must be met as per the requirements applied in the 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, practical demonstrations and activities, laboratory teaching, with students' independent study required. It is the responsibility of the lecturer, who can be assisted by a tutor, if necessary, of a particular course to facilitate all students' learning on the course. 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, laboratory assignments, and individual/group work projects. The innovative thinking is developed through courses formulated to suit the innovative pedagogical approach. An appeal program is offered for students who want to re-check their exam grades.

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 worth 6 SCUs. The SCUs for elective courses are part of the total SCUs. Other graduation requirements are following the general requirements applied in Binus University International.

Course Structure**Courses applied to all Accounting & Finance students**

Starting from September 2014, students will have 3+1 curriculum for the single degree. The following are 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 Entrepreneurship	3	
	LANG6061	Indonesian	1	
	STAT6122	Statistics Fundamental 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		14	14
8	ACCT6168	Thesis	6	6
			TOTAL CREDIT 146 SCU	

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			

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 Study Abroad Track*

Code	Course Name	SCU	Total
Enrichment Program I			16
GLOB6085	Elective Course for Study Abroad I	4	
GLOB6086	Elective Course for Study Abroad II	4	
GLOB6087	Elective Course for Study Abroad III	4	
MGMT6254	Strategic Management and Corporate Governance	4	
Enrichment Program II			14
ACCT6248	International Internship	8	
ACCT6249	Management Reporting	4	
ACCT6247	Professional Attitude	2	

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

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ENTR6092	Business Model Innovation	8	
ENTR6047	Managing Team and Culture	4	
MGMT6254	Strategic Management and Corporate Governance	4	
Enrichment Program II			14
ENTR6093	Sustainable Startup Creation	8	
ENTR6099	Business Story telling	4	
ACCT6247	Professional Attitude	2	

Double Degree in Accounting & Finance Stream

For those who are taking the Double Degree Scheme in Accounting & Finance, they will go in either 5-8 semesters or 5th -7th semesters, depending on the partner chosen for scheme. The rests of the courses will be the same as in Single Degree.

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-8th semesters.

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 2nd 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 proper and clear study plan and professional designation preparations.

The Table of Prerequisite 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 Audit I	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 Audit I	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 Fundamental for Business Studies	3	3
				FINC6086	Corporate Finance	6	4
				ACCT6245	Advanced Accounting	6	4
				ACCT6244	Managerial Accounting	6	2

4.6.2 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 Graduate

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	

Sem	Code	Course Name	SCU	Total
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			21
	DSGN6391	Design Studies I	8	
	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	
	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			22/21
	DSGN6392	Design Studies II	8	
	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	
	CHAR6015	Character Building: Agama	2	
	DSGN6230	Animation Studio I	3	
	DSGN6293	Audio Visual I	2	
	DSGN6317	Screen Design Development II	4	
	DSGN6287	Visual Communication Design Review	2	

Sem	Code	Course Name	SCU	Total
5	Streaming: Graphic Design			16/19
	DSGN6397	2D Animation Study	4	
	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	
	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			15/13
	DSGN6315	Pre-Press and Printing	3	
	DSGN6400	Digital Advertising	4	
	ARTS6015	Aesthetic	2	
	DSGN6311	Internship	6	
	Streaming: Interactive Digital Media			
	DSGN6319	Sound Production	3	
	DSGN6301	Experimental Design	2	
	ARTS6015	Aesthetic	2	
	DSGN6311	Internship	6	
7	Enrichment Program I		16	16
	DE1213	Global Design Perspective*	0	
	DE1214	Advanced Creative Practice*	0	
8	Enrichment Program II		8	16
	DE1213	Global Design Perspective*	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	*etc	I	RS	ENTR	CD	SA	*etc
1		v						v				
2					v						v	

Notes:

I : Internship

RS : Research

ENTR : Entrepreneurship

CD : Community Development

SA : Study Abroad

*etc : Department specific needs

Enrichment Research Track**

Code	Course Name	SCU	Total
Enrichment Program I			
RSCH6058	Design Idea Exploration I	8	16
RSCH6059	Visual Research	4	
RSCH6060	Academic Design Research I	4	
Enrichment Program II			
RSCH6061	Design Idea Exploration II	4	8
RSCH6062	Academic Design Research II	4	

For Dual Awards ProgramEnrichment Study Abroad Track*****

Code	Course Name	SCU	Total
Enrichment Program I			
NU009	Professional Practice II	4	16
NU010	Advanced Graphic and Illustration I	4	
NU011	Advanced Publishing	4	
NU012	Design History Dissertation I	4	
Enrichment Program II			
NU013	Advanced Graphic and Illustration II	4	16
NU014	Advanced Graphic and Illustration III	4	
NU015	Design History Dissertation II	2	
NU016	Graphic Design Final Project	6	

****For 3+1 NU 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	4
DSGN6394	Interactive Design Studies I	8	DSGN6390	Fundamental Principles of Design	4
DSGN6322	Typography II	4	DSGN6104	Typography I	3
DSGN7133	Photography II	3	DSGN7132	Photography I	3
DSGN6316	Screen Design Development I	4	DSGN6391	Design Studies I	8
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
DSGN6317	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	8	DSGN6311	Internship	6

4.6.3 Fashion Design

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.

To support effective teaching and learning activities, BINUS UNIVERSITY INTERNATIONAL provides excellent studio facilities, including garment production workrooms, textile experiment room (batik, woven and knitting), computer lab, and photographic studio.

The university collaborates with the 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 the four years of study, the 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 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 product design through innovation, with a combination of commercial feasibility.
- Provide graduates with entrepreneurial skill and professionalism towards global workplace.
- Develop local resources to improve the life quality of Indonesian 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 solution responsive to the industry
2. To equip graduates with skills to utilise 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 4-year program, students are expected to be able to:

1. To identify the principal of consumer behaviour, market research, historical, cultural and contemporary issues in fashion industry
2. To understand theoretical design studies, and manipulation techniques in the creation of fashion products
3. To demonstrate a range of production methods and technical skills through exploration and experimentation of fashion products with independent judgement of aesthetic, efficiency, and effectivity in production process
4. To create fashion products by utilizing variety of materials, appropriate technology applications and resources
5. To present fashion products for a wide range of audience in relation to ethical and aesthetic aspects
6. To understand the creative design concept relevant with the market research, consumer and environment aspect.
7. To evaluate the quality of the products in relation with consumer, ergonomic and environmental perspective
8. To apply creative and innovative design solutions through design research basis in fashion

Prospective Career of the Graduate

A wide range of career opportunities in 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 the 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 organisational responsibilities. Furthermore, the industrial internship program provides students with real experience in the work place and teaches them to cope with the work environment. In addition, 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 Fashion Design Program are expected to be ready as a designer for medium to mass production and manufacture, in response to various market levels. The graduates are also prepared to work for design consultancy, fashion styling, media communication, textile design, and trend forecasting consultancy.

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 product development and business management skills. They will also be prepared to work in retail industries, fashion trend forecasting consultancies, trend research companies, and media, advertising or public relations. BINUS UNIVERSITY INTERNATIONAL also provides career supports 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

Study Program	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 Awards)			√	S.Sn. & BA (Hons).	Northumbria
Fashion Management (Dual Awards)			√	S.Sn. & BA (Hons).	Northumbria

*Title: S.Sn (Sarjan 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 underpin garment making. It enables students to explore a range of materials, pattern cutting, aesthetic, printed fashion fabric, woven fabric 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 of 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 the business strategy.

Teaching, Learning, and Assessment Strategy

The teaching and learning processes are conducted through lectures, tutorials, problem based learning, study trip, 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 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 activity.

There will be no examinations for most courses. However, all course-work are 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 given 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 Skill I	6	
	FASH6061	Introduction to Fashion Design I	6	
	ENGL6171	Academic English I	3	
2	FASH6062	History and Introduction to Fashion Studies II	3	20
	FASH6063	Introduction to Fashion Skill II	6	
	FASH6064	Introduction to Fashion Design II	6	
	ENGL6172	Academic English II	3	
	CHAR6013	Character Building: Pancasila	2	
3	Streaming: Fashion Design			19/20
	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	
	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			21/20
	FASH6069	Fashion Trend Forecasting II	3	
	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	
	FASH6072	Design Realization and Promotion I	6	
	FASH6073	Fashion Marketing II	6	
	CHAR6014	Character Building :Kewarganegaraan	2	
	FASH6076	Fashion Retail Management	3	

Sem	Code	Course Name	SCU	Total
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 Perspective*	0	
8	FASH6032	Project Report Writing	4	16
	FASH6034	Fashion Portfolio	4	
	FASH6037	Final Project	8	
	DE1214	Advanced Creative Practice*	0	
TOTAL CREDIT 146 SCU				

*Student applied in Dual Awards Program is mandatory to take this course (Conducted by Northumbria Lecture)

**Student has to choose one of elective courses (each for 4 scu)

-)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			

Notes:

I : Internship

RS : Research

ENTR : Entrepreneurship

CD : Community Development

SA : Study Abroad

*etc : Department specific needs

Enrichment for Fashion Design

Enrichment Program I (6th semester)

Enrichment Internship Track

Code	Course Name	SCU	Total
FASH6077	Industry Experience	8	16
FASH6078	Reflective Journal	4	
FASH6079	Internship Report	4	

Enrichment Program II (7th semester)

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Field Research	8	16
RSCH6073	Design Research Project	4	
RSCH6074	Reflective Journal	4	

Enrichment for Fashion Management

Enrichment Program I (6th semester)

Enrichment Internship Track

Code	Course Name	SCU	Total
FASH6077	Industry Experience	8	16
FASH6078	Reflective Journal	4	
FASH6079	Internship Report	4	

Enrichment Program II (7th semester)

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Field Research	8	16
RSCH6073	Design Research Project	4	
RSCH6074	Reflective Journal	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	16
Enrichment Program II			
ENTR6093	Sustainable Startup Creation	8	
ENTR6098	Business Networking	4	
ENTR6099	Business Story Telling	4	

The Table of Prerequisite Fashion Design

Subject		SCU	Smt	Prerequisite		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	9	5	FASH6073	Fashion Marketing II	6	4
Enrichment Program II		16	7	FASH6075	Entrepreneurship for Fashion Management	9	5
FASH6034	Fashion Portfolio	4	8	Enrichment Program II		16	7
FASH6037	Final Project	8	8	Enrichment Program II		16	7

4.6.4 Film

Introduction

Offering two streams, film production and film studies, the Bachelor of Film Program at BINUS INTERNATIONAL 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, workshop in order to enhance contextual thinking, theory and practice, and understanding of film production. Many of the second year courses are based on social studies and humanities at large. The third year is dedicated to advance learning of methodology through workshop, clinic, and simulation. During the third year, students will also choose one of the two study streaming offered by Film Program; film production and film

studies. In the fourth year, students can take different elective courses that will support their Thesis, in which students will have to conduct a research to support their thesis film or film analysis. During the final year, students will also be given the opportunity to immerse real world experience through internship, community development, and research.

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 successful completion of the 4-year program, students are expected to be able to:

1. Apply the principles and current issues in social-culture, film analysis, film genre, and photography.
2. Apply theoretical concepts of film artistic, scriptwriting techniques, film direction, film production, cinematography, sound, post-production.
3. Analyze and criticize films using basic film theories, historical facts, as well as social and cultural conditions.
4. Develop an innovative short film script by reviewing or adapting events or literature.
5. Demonstrate the ability to direct actors and audio-visual elements based on a creative interpretation of the film script.
6. 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.
7. Apply the principle of film distribution and marketing in general.
8. Demonstrate the ability to make short documentary films based on social and cultural situations identification.
9. Develop film production plan in accordance with the needs of the film script.
10. Apply entrepreneurial knowledge and attitude in the film industry.

11. Use English-speaking skill as a supporting language in communicating and corresponding in a global environment.
12. Distinguish the appropriate Information and Communication Technology in accordance with the needs of the work that can improve organizational performance.
13. Apply editing skills on images and sound recordings by using software that suits the needs of the script and director's referrals.

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 demands of scriptwriting, directing, producing, cinematography, editing, and research. The graduates are also prepared to work as film researchers, programmers, curators, or film critics. BINUS INTERNATIONAL 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	FILM6044	Film Literacy	2	20
	FILM6045	Sound & Image	6	
	FILM6046	Visual Storytelling Elements	5	
	ENGL6171	Academic English I	3	
	CHAR6013	Character Building: Pancasila	2	
	ENTR6091	Project Hatchery	2	
2	FILM6047	Scriptwriting	4	22
	FILM6048	Production Workshop I	4	
	FILM6049	Cinema & Social Studies	5	
	FILM6021	World Film History	4	
	ENGL6172	Academic English II	3	
	CHAR6014	Character Building: Kewarganegaraan	2	
3	FILM6050	Narrative Directing	8	22
	FILM6051	Visual Techniques	8	
	LANG6061	Indonesian	1	
	ENTR6094	Design Driven Entrepreneurship	3	
	CHAR6015	Character Building: Agama	2	
4	FILM6052	Film Industry Seminar	3	21
	FILM6053	Production Workshop II	5	
	FILM6054	Documentary Cinema	3	
	FILM6026	History of Indonesian Cinema	2	
	ARTS6012	History of Art	4	
	Elective Courses		4	

Sem	Code	Course Name	SCU	Total
5	FILM6027	Film Theories	4	23
	RSCH6030	Research Methodology for Film	4	
	Elective Courses		3	
	Streaming: Film Production			
	FILM6055	Advanced Production Workshop	8	
	FILM6056	Advanced Visual Techniques	4	
	Streaming: Film Studies			
	FILM6057	Cultural Studies & New Media	4	
	FILM6058	Hollywood & Genre Studies	4	
	FILM6059	Global Cinema	4	
6	Enrichment Program I		16	16
7	Enrichment Program II		16	16
8	FILM6030	Thesis	6	6
TOTAL CREDIT 146 SCU				

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 (FPS)	I	RS	ENTR	CD	SA	*etc (FSS)
1						v	v					
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 : Streaming track: 1. Film Production Semester (FPS) 2. Film Studies Semester (FSS).

Enrichment Film Production – Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
FILM6060	Production Internship	8	
FILM6061	New Media Production	8	
Enrichment Program II			16
FILM6064	Industrial Experience for Film I	8	
FILM6065	Industrial Experience for Film II	8	

Enrichment Film Production – Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
FILM6060	Production Internship	8	
FILM6061	New Media Production	8	
Enrichment Program II			16
RSCH6081	Research for Film I	8	
RSCH6082	Research for Film II	8	

Enrichment Film Production – Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
FILM6060	Production Internship	8	
FILM6061	New Media Production	8	
Enrichment Program II			16
CMDV6026	Community Development for Film I	8	
CMDV6027	Community Development for Film II	8	

Enrichment Film Studies – Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
FILM6064	Industrial Experience for Film I	8	
FILM6065	Industrial Experience for Film II	8	
Enrichment Program II			16
FILM6062	Film Criticism/Analysis	8	
FILM6063	Indonesian Director Studies	8	

Enrichment Film Studies – Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6081	Research for Film I	8	
RSCH6082	Research for Film II	8	
Enrichment Program II			16
FILM6062	Film Criticism/Analysis	8	
FILM6063	Indonesian Director Studies	8	

Enrichment Film Studies – Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6026	Community Development for Film I	8	
CMDV6027	Community Development for Film II	8	
Enrichment Program II			16
FILM6062	Film Criticism/Analysis	8	
FILM6063	Indonesian Director Studies	8	

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

The Table of Prerequisite Courses for Film

Subject		SCU	Smt	Prerequisite		SCU	Smt
FILM6047	Scriptwriting	4	2	FILM6046	Visual Storytelling Elements	5	1
				FILM6044	Film Literacy	2	1
FILM6048	Production Workshop I	4	2	FILM6045	Sound & Image	6	1
FILM6021	World Film History	4	2	FILM6044	Film Literacy	2	1
FILM6050	Narrative Directing	8	3	FILM6047	Scriptwriting	4	2
FILM6051	Visual Techniques	8	3	FILM6045	Sound & Image	6	1
				FILM6044	Film Literacy	2	1
				FILM6047	Scriptwriting	4	2
FILM6053	Production Workshop II	5	4	FILM6048	Production Workshop I	4	2
FILM6054	Documentary Cinema	3	4	FILM6050	Narrative Directing	8	3
				FILM6048	Production Workshop I	4	2
FILM6026	History of Indonesian Cinema	2	4	FILM6044	Film Literacy	2	1
FILM6027	Film Theories	4	5	FILM6021	World Film History	4	2
				FILM6049	Cinema & Social Studies	5	2
RSCH6030	Research Methodology for Film	4	5	FILM6049	Cinema & Social Studies	5	2
FILM6055	Advanced Production Workshop	8	5	FILM6053	Production Workshop II	5	4

FILM6056	Advanced Visual Techniques	4	5	FILM6051	Visual Techniques	8	3
FILM6057	Cultural Studies & New Media	4	5	FILM6027	Film Theories	4	5
FILM6058	Hollywood & Genre Studies	4	5	FILM6027	Film Theories	4	5
FILM6059	Global Cinema	4	5	FILM6027	Film Theories	4	5
FILM6060	Production Internship (Off Campus)	8	6	FILM6055	Advanced Production Workshop	8	5
FILM6061	New Media Production (Off Campus)	8	6	FILM6055	Advanced Production Workshop	8	5
FILM6062	Film Criticism/Analysis (Off Campus)	8	6	FILM6057	Cultural Studies & New Media	4	5
				FILM6058	Hollywood & Genre Studies	4	5
				FILM6059	Global Cinema	4	5
FILM6063	Indonesian Director Studies (Off Campus)	8	6	FILM6057	Cultural Studies & New Media	4	5
				FILM6058	Hollywood & Genre Studies	4	5
				FILM6059	Global Cinema	4	5
FILM6032	Production Design (Elective)	3	4 or 5	FILM6046	Visual Storytelling Elements	5	1
FILM6030	Thesis	6	8	Enrichment Program I		16	6
				Enrichment Program II		16	7

4.6.5 Communication

Introduction

The Bachelor program in Communications at BINUS UNIVERSITY INTERNATIONAL offers three streaming: 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 the 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 and discover presentation and consultancy skills and gradually be more and more 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 business and creative working spaces, in order to orient themselves in their industry and their prospective job choices, Student's work will be showcased across a variety of social media, with the aim to gain prominence and a community following in their field of interest. 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 International's Communications 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 Communications 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 communications 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 Communications 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 ethics required to be a socially aware and responsible professional in the global media industry.
5. To prepare students with knowledge and skills to be innovative, creative and passionate for continuous improvement in the media industry.

Student Outcomes

Upon completion of the 4-year program, students should be able to:

1. Explain, analyse 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 analyse professional communication methods and apply performance strategy based on theories in communication.
4. Explain and analyse the social, cultural and behavioural 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 & management knowledge in media and communication industry.
8. Perform effective leadership & 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 improvement in media industry.
11. Solve problems and formulate solutions related to journalism, public relations and the entertainment industry.

Prospective Career of the Graduates

A wide range of career opportunities in media industry is introduced in which students will be prepared throughout the four years of study. Many graduates have received jobs in prominent publishing agencies, often securing their position 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 to encounter weekly guest speakers, many of which are prominent in the Public Relations, Journalism or Entertainment industry. 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 engage to 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 career 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 discipline.

The Communications 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 work place and teaches them to cope with the work environment. In addition, 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 the Communications Program are expected to be ready to work in media, or gain positions in corporate or entrepreneurial public relations and entertainment industries. The graduates ewill be able to work for Television, Radio, Internet news agencies, Public Relations and Advertising agencies. BINUS UNIVERSITY INTERNATIONAL also provides career supports 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 partner universities

Major and Streaming

Study Program	Degree				Partner
	Single	Title	Double	Title	
Journalism	√	S.IKom	√	S.IKom. & BA. (HONS)	Northumbria

Public Relation	√	S.IKom	√	S.IKom. & BA. (HONS)	Northumbria
Entertainment Communication	√	S.IKom.	√	S.IKom. & BA. (HONS)	Northumbria

*Title: S.IKom (Sarjana Ilmu Komunikasi)
B.A (Hons) (Bachelor of Arts (Honours))*

Journalism

The program provides an extensive knowledge of communication skills, practices and technologies as an integral part of creating an efficient message to the target audience in the expanding new-media, as well as social, cultural and ethical knowledge to create responsible communication methods. The students who take this program will receive Bachelor Degree upon completing their study in Journalism streaming.

Public Relations

The program provides an extensive knowledge of communication skills, practices and technologies as an integral part of creating an efficient message to the target audience in the expanding new-media, as well as social, cultural and ethical knowledge to create responsible communication methods. The students who take this program will receive Bachelor Degree upon completing their study in Public Relations streaming.

Entertainment Communications

The program provides an extensive knowledge of communication skills, practices and technologies as an integral part of creating an efficient message to the target audience in the expanding new-media, as well as social, cultural and ethical knowledge to create responsible communication methods. The students who take this program will receive Bachelor Degree upon completing their study in Entertainment Communications streaming.

Teaching, Learning, and Assessment Strategy

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 also other programs, requiring students to mimic real life work environments. Some of the assignments may be valued partially through peer assessment.

It is the responsibility of the lecturer of a particular course to facilitate all students' learning on 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 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 labs facilities. Students may also be able to collaborate with Binus TV, based in 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 activity.

Much of the course-works are assessed through a variety of assessment tasks such as reports, presentations, assignments, examinations, individual and group projects, and the final thesis. The feedback of the given 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. 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 of academic credit.

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 Technique	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 Method	4	

Sem	Code	Course Name	SCU	Total	
5	RSCH6067	Mass Communication Research Methods	2	22	
	ENTR6095	Media Business & Entrepreneurship	4		
	LANG6087	Indonesian	2		
	Streaming: Journalism				
	COMM6247	Broadcast Journalism and Reporting	6		
	COMM6248	New Media & Newsroom Management	6		
	COMM6249	Investigative Journalism	2		
	Streaming : Public Relation				
	COMM6250	Creative Agency Industry	2		
	COMM6251	Crisis Communication and Media Relations	6		
	COMM6252	Public Relations Publication	6		
	Streaming: 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 CREDIT 146 SCU					

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 Community Development Track

Code	Course Name	SCU	Total
CMDV6020	Community Development	8	16
COMM6260	Cultural Project	4	
COMM6242	Digital Publication	4	

Enrichment Internship Track

Code	Course Name	SCU	Total
COMM6256	Event Management	8	16
COMM6257	Media Internship	4	
COMM6258	Media Industry & Technology	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 Across Cultures	4	16
Enrichment Program II			
ENTR6093	Sustainable Startup Creation	8	
ENTR6098	Networking for Net Worth	4	
ENTR6099	Business Story Telling	4	

Enrichment Study Abroad Track*

Course Name	SCU	Total
Enrichment Program I		
GLOB6085	Elective Course for Study Abroad 1	16
GLOB6086	Elective Course for Study Abroad 2	
GLOB6087	Elective Course for Study Abroad 3	
GLOB6088	Elective Course for Study Abroad 4	
Enrichment Program II		
GLOB6089	Elective Course for Study Abroad 5	16
GLOB6090	Elective Course for Study Abroad 6	
GLOB6091	Elective Course for Study Abroad 7	
GLOB6092	Elective Course for Study Abroad 8	

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

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	5	RSCH6018	Qualitative and Quantitative Research methods	4	4
COMM6247	Broadcast Journalism and Reporting	6	5	COMM6246	Introduction to Journalism & Interview Technique	6	3
COMM6248	New Media and Newsroom Management	6	5	COMM6246	Introduction to Journalism & Interview Technique	6	3
LANG6087	Indonesian	2	5	COMM6246	Introduction to Journalism & Interview Technique	6	3
COMM6249	Investigative Journalism	3	5	COMM6246	Introduction to Journalism & Interview Technique	6	3
COMM6251	Crisis Communication and media Relation	6	5	COMM6245	Introduction to PR & Creative Advertising	6	3
COMM6252	Public Relations Publication	6	5	COMM6245	Introduction to PR & Creative Advertising	6	3
COMM6256	Event Management	4	6 or 7	COMM6245	Introduction to PR & Creative Advertising	6	3

4.6.6 Computer Science

Introduction

In this fast-moving era, Computer Science (CS) has gone beyond the simple use of computer software. With the 3rd wave of computing (Pervasive computing) as 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 business, their clients, or their employers. This program encourages and challenges students in areas of:

- General CS, and
- Pervasive Games Technology

Getting 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 a viable technology solution using appropriate platforms, tools and techniques. The program provides the students with the technical, entrepreneurial, and the specialized skills needed to develop and design applications across modern platforms, such as cloud, web, and mobile, in a rapidly changing IT environment.

The Computer Science program is accredited the “A” grade - the highest level 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	Games Design and Programming
Cloud and Distributed Systems	Advanced Games Design and Programming
Multimedia and Human Computer Interaction	Technopreneurship
Web Application Development and Computer Security	Intelligent Systems
Computer Networks and Security	Computer Graphics
Ethical Hacking and Penetration Testing	Network Forensics

Students experience a vast range of innovative learning processes, from blended learning to experiential; student centered, flipped classroom, 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 doing a startup company, internship, research work, or community development work that is suitable for their future goal in the final year of the study. Students enjoy the 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 career.

Vision

To become a leading and world class Computer Science School, that is reputable and excellent in teaching and research, in order to keep relevant with the needs of global industry and society.

Mission

- Educate students from diverse backgrounds with the relevant knowledge and skills for the society by providing computer science courses and internship.
- Prepare graduates to become smart and good IT leaders, innovators, and entrepreneurs in global industries, as well as prepare them for advanced studies.
- 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 secured 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 the 6 key skills (self-management, planning and organizing, team work, problem solving, decision making, initiative and enterprise) and foreign languages as well as using information technology and to be useful in the workplace and society.

Student Outcomes

After successful completion of the 4-year program, students are expected to be able to:

1. Develop software using appropriate software development methodologies to produce software with different requirements.
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 formulation.
5. Administer the conceptual knowledge and algorithm principles related to computing to do problem-solving.
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 secured and robust networks.
8. Design and develop game applications by combining technology with creative art and design concept to produce a good game application that is able to run on multi-platform environments.
9. Apply the 6 key skills (self-management, planning and organizing, team work, problem solving, decision making, initiative and enterprise) and foreign languages as well as using information technology be useful in the workplace and society.

Prospective Career 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, telecommunication companies, IT companies, or other organizations. The career opportunities are unlimited for Computer Science graduates.

A wide range of career opportunities in IT and 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 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 work place 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 aspiration and may provide social and professional networks.

BINUS 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 Computer 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

Major and Streaming

Streaming	Degree				Partner
	Single	Title	Double	Title	
General CS	√	S.Kom			
Pervasive Games Technology	√	S.Kom			
Computer Science			√	S.Kom. & BSc (Hons)	Nottingham
Computer Science with Artificial Intelligence			√	S.Kom. & BSc (Hons)	Nottingham

Software Engineering			√	S.Kom. & BSc (Hons)	Nottingham
Application Programming			√	S.Kom. & B.Info.Tech	RMIT
Business Applications			√	S.Kom. & B.Info.Tech	RMIT
Multimedia Design			√	S.Kom. & B.Info.Tech	RMIT
Network Programming			√	S.Kom. & B.Info.Tech	RMIT
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

Title: S.Kom (Sarjana Komputer)

BSc (Hons) (Bachelor of Science (Honours))

B.Info.Tech (Bachelor of Information Technology)

B.Comp.Sc.(Bachelor of Computer Science)

Double Degree in Computer Science

In cooperation with 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 experience by studying abroad at the University of Wollongong in Australia. The students who take the double degree program at University of Wollongong will receive S.Kom. and B.Comp.Sc. degrees at the end of the program. The available majors at 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 experience by studying abroad at the University of Nottingham, in the United Kingdom. Students shall initially complete three years study at BINUS on its Computer Science program. Upon successful completion of the three years at BINUS, students shall enroll on year 3 of 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 System. 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 experience 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.

General Computer Science Stream (Single Degree)

The General Computer Science stream is a single degree program which is designed to provide students with knowledge, practical and creative skills to design and create general computer applications and systems. In this stream the students have an opportunity to take more elective courses, so that the students can take courses that match with their future career aspirations.

Pervasive Games Technology Stream (Single Degree)

The Games Technology stream is a single degree program which is designed to provide students with knowledge, practical and creative skills to design and create computer graphics, animation and interactive games. This stream also provides the student with an opportunity to become certified developer in 3D software package such as Maya, 3DsMax, Blender, and others. Students who would like to pursue careers in the rapidly expanding games, animation and creative industries are ideal candidates for this stream.

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: Kewarganeraan	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	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		
	Streaming: Computer Science General				
	COMP6210	Ethical Hacking and Penetration Testing	3		
	Streaming: 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		
	Streaming: Computer Science General				
	COMP6348	Network Forensics	3		
	Streaming : 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 CREDIT 146 SCU					

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			16
COMP6349	Industry Experience I	8	
COMP6350	EES in Industry I	4	
COMP6351	IT Practice in Industry I	4	
Enrichment Program II			16
COMP6352	Industry Experience II	8	
COMP6353	EES in Industry II	4	
COMP6354	IT Practice in Industry II	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
Enrichment Program I			16
RSCH6063	Field Research	8	
RSCH6069	Scientific Writing I	4	
RSCH6070	Global EES I	4	
Enrichment Program II			16
RSCH6064	Research Exposure	8	
RSCH6071	Scientific Writing II	4	
RSCH6072	Global EES II	4	

Enrichment Community Development Track

Code	Course Name	SCU	Total
Enrichment Program I			16
CMDV6020	Community Development	8	
CMDV6022	Community Outreach Project Design	4	
CMDV6023	Employability and Entrepreneurial Skills	4	
Enrichment Program II			16
CMDV6021	Sustainable Development	8	
CMDV6024	Community Development Project Design	4	
CMDV6025	Employability and Entrepreneurial Skills	4	

Enrichment Study Abroad Track*

Course Name	SCU	Total
Enrichment Program I		16
GLOB6085	Elective Course for Study Abroad 1	
GLOB6086	Elective Course for Study Abroad 2	
GLOB6087	Elective Course for Study Abroad 3	
GLOB6088	Elective Course for Study Abroad 4	
Enrichment Program II		16
GLOB6089	Elective Course for Study Abroad 5	
GLOB6090	Elective Course for Study Abroad 6	
GLOB6091	Elective Course for Study Abroad 7	
GLOB6092	Elective Course for Study Abroad 8	

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

The Table of Prerequisite 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 Language	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 Language	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

4.6.7 Business Information Systems

Introduction

The Business Information Systems Program is a unique combination of computing domain and the business sector that is developed to equip the students with competencies of managing IS (Information System), information technology, entrepreneurship, business process, and project management. Its graduates will play an important role of delivering technology solution to the market place by systematically recognizing and translating the business needs into technical IT (Information Technology) requirements.

The ability of being the link between technology and the people / customer is of rare expertise in IT industry nowadays. Combined with focus on international quality higher education system, embedded entrepreneurship and innovation subjects, the program opens to its graduate endless opportunities from being a world class Information System professional into 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 United Kingdom, and Cologne Business School Germany, would enhance students' ability to compete in an 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 System and Business.

Mission

The Program of Business Information Systems exists to prepare globally competitive Information System graduates through 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 latest data science capability and knowledge on the technology based solution of web and mobile applications, business process re-engineering, infrastructure architecture, and database; to meet management needs for information systems and decision support.
2. To equip students with various thinking skill in the area of strategic planning, strong analytical, critical, and design thinking in developing innovative technology solutions.
3. To equip student with leadership, entrepreneurial, ethical professional skill related to the Information System industry.
4. To equip student with openness and awareness of diversity across cultures and to prepare them with effective communication skills to enter international market as global citizen.

Student Outcomes

Upon successful completion of this four year program, students are expected to be able to:

1. Identify the problem of information systems through investigation, analysis, interpretation of data and information, so as to formulate solutions based information system framework to meet organization goals.
2. Mastering the contemporary technology in Information Systems of cloud based, mobile, analytics, and Internet of things.
3. Mastering project management concepts such as initiation, planning, execution, control and closure of projects to practice information-based systems.
4. Mastering 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. Mastering the principles and current issues in business and technology in general in order to adapt with the technological development.
6. Able to 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. Able to 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. Able to make creative business plan and to construct, innovate and evaluate digital based business start-up.

Prospective Career of the Graduates

A wide range of career opportunities in information systems industry is introduced to students during their 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. 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 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 leverages their ability to cope with the international working environment. In addition, 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.

BINUS 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 Komputer (S.Kom) from BINUS University
- Dual Degree with Bachelor of Information Technology (B.I.T.) from Queensland University of Technology at Queensland, Australia
- Dual Degree with Bachelor of Computer and Information Sciences (BCIS) from Auckland University of Technology at Auckland, New Zealand
- Dual Degree with a Bachelor of Art (B.A.) from Cologne Business School at 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.

Major and Streaming

Streaming	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 (Honours)			√	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 (Honours))
B.I.T (Bachelor of Information Technology)
M.Com. (Master of Commerce)

Single Degree Program

There are three streaming available in this program on 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 International in 7 (seven) semesters, and then continue with a graduate program for 2 (two) years at Macquarie University to obtain 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 on 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 analysis of case studies, laboratories, and individual/group work projects. In addition, an innovation habit will be developed through course assessment that put weight on 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 excellent 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 activity.

All coursework 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. 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 provided 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 design problem-solving methods is introduced at different levels of 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 International, students must complete a minimum of 146 SCU of academic credit. These 146 SCU comprised of:

- Single degree students are required accomplishing a total of 114 SCU of mandatory courses. At semester 6th and 7th student will need to choose from streaming of: Business Startup, Enterprise Systems Management, or Research in Information Systems. Each streaming's semester comprise of 16 SCU which is in total of 32 SCU within the two semesters.
- Double degree students are required accomplishing a total of 122 SCU of mandatory courses. At semester 7th and 8th students will need to accomplished their second degree at partners university abroad with a total of 24 BINUS International SCU.

Course Structure

Semester	Code	Course Name	SCU	Total
1	ISYS6407	Contemporary Management Information Systems & Algorithm	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	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	

Semester	Code	Course Name	SCU	Total
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 CREDIT 146 SCU	

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			

Notes:

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

Enrichment Internship Track

Code	Course Name	SCU	Total
Enrichment Program I			16
ISYS6420	Industry Experience I	8	
ISYS6421	Human factor in Information Systems	4	
ISYS6422	Managing Across Cultures	4	
Enrichment Program II			16
ISYS6423	Industry Experience II	8	
ISYS6424	Corporate Information Systems 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 Across Cultures	4	
Enrichment Program II			16
ENTR6093	Sustainable Startup Creation	8	
ENTR6098	Networking for Net Worth	4	
ENTR6099	Business Story Telling	4	

Enrichment Research Track

Code	Course Name	SCU	Total
Enrichment Program I			16
RSCH6063	Field Research	8	
RSCH6075	Formulating Research Topic	4	
RSCH6076	Research Tools and Applications I	4	
Enrichment Program II			16
RSCH6064	Research Exposure	8	
RSCH6077	Evaluating Research Resources	4	
RSCH6078	Research Tools and Applications II	4	

The Table of Prerequisite 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

4.6.8 Business Management and Marketing

Introduction

Business Management and Marketing Program has been dedicated to provide students with the highest standard of business management and marketing education with focus in 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 program in national and multi-national corporations, guest lecture sessions from various industry practitioners and professionals, and applied-research thesis 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 paradigm, theoretical framework, applied skills, and familiarity with contemporary technology to support their competence as future leaders in business.

Also, Business Management and Marketing Program at Binus University International maintain a continuity cooperations with some of the first-class companies in Indonesia to build a strong linkage. The aim is to provide a wide opportunity for graduate students from Binus University International after they graduated, to have opportunity to work in one of reputable companies in Indonesia.

The curriculum at Binus University International has been benchmarked to major renowned universities around the world. This curriculum is then combined with the Indonesian National Curriculum and several core values developed by Binus.

Vision

The Business Management and Marketing Program strives to become a reputable and one of the leading business management and marketing programs in the Asia Pacific region by 2020, with strong competence in innovation management and strategic marketing.

Mission

The Business Management & Marketing Program prepares future leaders, managers, and professionals with global mindset, through innovative curriculum by meeting the stake-holder expectations, providing academic and service excellence, promoting high quality research, building strong corporate connections, and gaining international recognitions and accreditations. The Program provides high quality education in business management and marketing with the ultimate aim of enhancing the mastery of business marketing and marketing as a problem solving tool for the industry and society, and as a scientific discipline.

Program Objectives

1. To provide students with cutting edge management knowledge that will enable them to compete globally.
2. To prepare students to apply business management, marketing, and ICT principles required in industrial practices.
3. To provide students with ability to communicate effectively in industrial context, both locally and globally.
4. To nurture students to become ethical, professional yet socially aware business professionals.
5. To prepare students to be creative and innovative in business decision making in international and local level.

Student Outcomes

Upon successful completion of the four year program, students are expected to be able to:

1. To describe and articulate business management and marketing principles and practices.
2. To study and analyze global business environment from business management and marketing perspective
3. To apply critical thinking in business management and marketing problem solving.
4. To design, implement, and evaluate business and marketing strategy to meet stakeholder's expectation.
5. To integrate ICT capabilities in supporting business management and marketing strategies.
6. To perform effective business communication both in written and verbal form towards a wide range of audience.
7. To demonstrate abilities in cross-cultural communication.
8. To demonstrate awareness of social and ethical issues in business decision making process.
9. To apply leadership, team-working and entrepreneurial skills in professional environment.
10. To apply creative and innovative thinking in the development and implementation of business and marketing strategies.

Prospective Career of the Graduates

The four year Business Management and Marketing program at BINUS UNIVERSITY INTERNATIONAL 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 industry. 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 companies, as it acts as connectors between customers and companies, including connecting customers to the product or service and to the financial accountability. Some example of marketing professions that students could aim are Brand Manager, Product Manager, Brand Executive, Marketing Executive, Marketing Consultant, Market Research Analyst, Director of Sales, and many more. Despite being a marketing professional, students can also developed their own business and become entrepreneurs.

BINUS UNIVERSITY INTERNATIONAL also provides career support for students by disseminating information on the latest job vacancies and internships. This support service can be accessed from 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 Arts in International Business (BA) from Cologne Business School, Germany.
- Dual Degree with Bachelor of Business Administration (BBA) from Saxion University of Applied Science, Netherlands.
- Master Degree with Master of Commerce in Marketing, Finance, Accounting, Business (M.Com.) from Macquarie University, Australia.

Major and Streaming

Streaming	Degree				Partner
	Single	Title	Double	Title	
Business Management and Marketing	√	S.E.			
International Business			√	S.E. & BA	Cologne Business School
Marketing & International Business			√	S.E & B.Bus	Queensland University of Technology (QUT),
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, Marketing program offers a double degree program with QUT, where students will be able to obtain B.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 global context.

The distribution of semesters for this program is as follows:

- The first 4 semesters will be at Binus University International, 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 eight or last semester will be at Binus University International to finish the final thesis. Students who complete this program will be awarded Bachelor of Business from Queensland University of Technology (QUT), in addition to the Sarjana Ekonomi (SE) from Binus University.

Double Degree Program in International Business – Cologne Business School (CBS)

In cooperation with Cologne Business School, Germany, students will obtain B.E (Binus) and B.A in International Business (CBS), with the focus in providing students with international and global experience in business.

The distribution of semesters for this program is as follows:

- First 6 semesters at Binus University International, following a set of courses agreed by both universities.
- Last 2 semesters at Cologne-Germany, following required courses determined by Cologne Business School, including thesis.

Students who complete this program will be awarded with Bachelor of Arts (BA) degree from Cologne Business School, in addition to the Sarjana Ekonomi (SE) from Binus University.

Double Degree Program in Marketing – Saxion University

In cooperation with Saxion University of Applied Science, Netherlands, students will obtain B.E (Binus) and BBA (Saxion). This program was designed to provide students with skills and knowledge in business administration, as Saxion is an applied science university, practicality of the concepts in marketing was the highest importance in this program.

The distribution of semesters for this program is as follows:

- The first 6 semesters will be at Binus University International, following a set of courses agreed by both universities.
- The last 2 semesters will be at Saxion, Deventer – The Netherland following required courses determined by Saxion, including thesis.

Master Track Program

In cooperation with Macquarie University in Sydney,, students will be able to obtain master degree within 9 semesters, the program is designed to allow students to complete their Sarjana Ekonomi (SE) degree at Binus University International in 7 (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 the students with array of options on the major, i.e. M.Com in Marketing, M.Com in Finance, M.Com in Accounting, or M.Com in Business.

Teaching, Learning, and Assessment Strategy

The teaching and learning processes are conducted through lectures, tutorials, class discussions, individual and group project discussion. 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, the innovation habit will be developed through course assessment that put weight on content comprehension and innovation. The innovation thinking, or commonly referred to Design Thinking on the other hand, will be developed through collaboration with Center for Innovation and Entrepreneurship. 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

Major in Business Management and Marketing

To complete a major in Business Management and Marketing at BINUS UNIVERSITY INTERNATIONAL, students **must complete** a minimum of 146 SCUs of academic credit. These 146 SCUs are comprised of:

- 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	ECON6063	Economics	6	19
	ENGL6171	Academic English I	3	
	ENTR6091	Project Hatchery	2	
	CHAR6013	Character Building: Pancasila	2	
	MGMT6250	Marketing Management I	4	
	LAWS6075	Legal Aspect in Economics	2	
2	ENGL6172	Academic English II	3	21
	CHAR6014	Character Building: Kewarganegaraan	2	
	MGMT6011	Introduction to Management & Business	4	
	MGMT6251	Marketing Management II	2	
	MKTG6088	Consumer Behavior	4	
	MATH6116	Mathematics & Statistics for Business	6	

Semester	Code	Course Name	SCU	Total
3	ACCT6241	Accounting for Business	6	18
	MGMT6120	Product & Brand Management	4	
	CHAR6015	Character Building: Agama	2	
	MKTG6181	Services Marketing	2	
	ENTR6094	Design Driven Entrepreneurship	3	
	LANG6061	Indonesian	1	
4	MKTG6094	Pricing Management & Strategy	4	20
	MGMT6252	Operations Management & Information Systems	6	
	FINC6001	Financial Management	4	
	MKTG6182	Digital Campaign & Promotion Management	3	
	MKTG6183	Business to Business Marketing and Sales Management	3	
5	MGMT6012	Human Resources Management	4	15
	ECON6064	Managerial Economics	3	
	MKTG6099	Website Usability and Design	2	
	MKTG6163	Web Analytics and e-CRM	2	
	COMM8006	Business Communication	2	
	MKTG6089	Contemporary Issues in Marketing	2	
6	RSCH6020	Research Method in Marketing	4	15
	MKTG6091	International Marketing	4	
	MKTG6184	Social Media and New Media Marketing Strategies	2	
	MKTG6189	Marketing Channels	3	
	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 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				

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
MKTG6186	Industry Experience	8	16
MKTG6187	Soft skill Development	4	
MKTG6188	Industrial Marketing Practices	4	

Enrichment Research Track

Code	Course Name	SCU	Total
RSCH6063	Field research	8	16
RSCH6079	Scientific Writing	4	
RSCH6080	Self Management, Planning, and Organizing	4	

The Table of Prerequisite for Business Management and Marketing

Subject	SCU	Smt	Prerequisite	SCU	Smt		
MGMT6251	Marketing Management I	2	MGMT6250	Marketing Management I	4	1	
MKTG6088	Consumer Behavior	4	MGMT6250	Marketing Management I	4	1	
MGMT6120	Product & Brand Management	4	3	MGMT6250	Marketing Management I	4	1
				MGMT6251	Marketing Management II	2	2
MKTG6094	Pricing Management & Strategy	4	4	MGMT6250	Marketing Management I	4	1
				MGMT6251	Marketing Management II	2	2
MKTG6183	Business to Business Marketing and Sales Management	3	4	MGMT6250	Marketing Management I	4	1
				MGMT6251	Marketing Management II	2	2
MKTG6181	Services Marketing	2	3	MGMT6250	Marketing Management I	4	1
				MGMT6251	Marketing Management II	2	2

MKTG6163	Web Analytics and e-CRM	2	5	MGMT6250	Marketing Management I	4	1
				MGMT6251	Marketing Management II	2	2
RSCH6020	Research Method in Marketing	4	6	MATH6116	Mathematics & Statistics for Business	6	2
MKTG6182	Digital Campaign & Promotion Management	3	4	MGMT6250	Marketing Management I	4	1
MKTG6184	Social Media and New Media Marketing Strategies	2	6	MGMT6250	Marketing Management I	4	1
MKTG6091	International Marketing	4	6	MGMT6250	Marketing Management I	4	1
MKTG6189	Marketing Channels	3	6	MGMT6250	Marketing Management I	4	1
				MGMT6251	Marketing Management II	2	2
				MGMT6011	Introduction to Management & Business	4	2
MKTG6089	Contemporary Issues in Marketing	2	5	MGMT6250	Marketing Management I	4	1
MKTG6099	Website Usability and Design	2	5	MGMT6250	Marketing Management I	4	1
				MGMT6251	Marketing Management II	2	2

4.6.9 International Business

Introduction

Located in the heart of Jakarta's capital city and part of Faculty of Business in Binus International, the International Business program (IB) is designed to encourage students to excel their competencies in business-related content in an International environment. The program offers a Double Degree, Study Abroad, or Master Track program 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 the ASEAN related subjects, which accommodates the need to equip the level of understanding to business, as well as cultural aspects in 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 enable to grasp a wide range of business environments, both 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 extensively draws upon the teaching experience of its international collaborative partner universities. Our international learning experiences prepare 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 expectation of concise yet comprehensive context in global business environment and entrepreneurial mindset. The program introduces 3+1 scheme, which enable students to undergo a 3-year in-class method, and a 1-year out-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.

Head of program

"The International Business Program is one of the programs that offer applicative and updated courses related to the business context in Southeast Asia as well as worldwide. Our students are equipped with hands-on business application and entrepreneurial skills, which enable them to develop creativity and a 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

Vision

To be an internationally recognized International Business Program in the Southeast Asian region

Mission

In pursuing its vision, the International Business program provides:

1. International exposure in academic activities through double degree and study abroad programs
2. Internationally qualified graduates with innovative and entrepreneurial skills
3. ASEAN business and entrepreneurial applied research and scholars

Program Objectives

The objectives of the International Business program are:

1. To nurture graduates competency with international business practices and to be able to work in an international environment equipped with cross cultural skill
2. To enhance innovative and creative mindset in applying business knowledge in international context
3. To expose students to Southeast Asian business and entrepreneurial experiences
4. To create ethical professionals and entrepreneurs with high social awareness
5. To provide students with competitive attributes and ability to communicate effectively in a global environment

6. To provide graduates with ICT competencies and skills required to compete in the international market

Student Outcomes

Upon successful completion of this 4-year program, students are expected to be able to:

1. Describe and articulate management principles and practices.
2. Interpret and analyze current ASEAN and global business issues.
3. Apply critical thinking with ICT techniques in business practices and problem solving through applied research and case studies.
4. Communicate effectively with a range of audience in both written and verbal form in cross-cultural society.
5. Apply leadership, team-working and entrepreneurial skills in global context
6. Explain and apply professional, ethical and social responsibilities in international environment
7. Identify, design, and implement creative and innovative approaches and strategies in business decision making

Prospective Career of the Graduates

A wide range of career opportunities in the 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 the 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 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.

BINUS 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 Ekonomi from BINUS University
- Dual Degree with Bachelor of Arts (BA) from Cologne Business School, Germany
- Dual degree with Bachelor of Arts (BA.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 Business Administration (B.BA) from Inholland University of Applied Sciences, the Netherlands
- 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 degrees (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, Marketing and International Business (DD with UNSW or VUW) and International Business Innovation Studies (DD with InHolland University).

Streaming	Degree				Partner
	Single	Title	Double	Title	
Commerce, Marketing and International Business			√	S.E & B.Com	The University of New South Wales, Australia
Business and Management			√	S.E. & B.A (Hons)	Bournemouth University, UK

International Business Innovation Studies			√	S.E & B.BA	Inholland University of Applied Sciences
Commerce, Marketing and International Business			√	S.E & B.Com	Victoria University of Wellington, New Zealand
International Trade			√	S.E & B.A	Cologne Business School
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.			<ul style="list-style-type: none"> • 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 (6) 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 2 tracks, namely Enrichment Internship Track or Enrichment Entrepreneurship Track. Students will graduate with one degree – Sarjana	<ul style="list-style-type: none"> • Semester 1 – 5: Study in Binus • Semester 6 – 7: Off Campus • Semester 8: Thesis in Binus

	Ekonomi - from BINUS University.	
Double degree	<p>Students will study for maximum six (6) semesters at BINUS and at least two (2) semesters overseas at a partner university of BINUS International.</p> <p>Students will graduate with a double degree – Sarjana Ekonomi - from BINUS University and Bachelor degree from partner universities.</p>	<ul style="list-style-type: none"> • Cologne Business School, Germany • International College of Ningbo University, China • Inholland University of Applied Sciences, the Netherlands • Bournemouth University, UK • University of New South Wales, Australia • Victoria University of Wellington, New Zealand
Master track <i>(it's not a part of streaming in IB program)</i>	<p>Upon completing their study at BINUS, students have an opportunity to directly study for Master program for two (2) semesters overseas at a partner university of BINUS International.</p>	<ul style="list-style-type: none"> • 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/group work 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 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.

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 habit will be developed through course assessment that put weight 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.

Course Structure**Courses to be taken at BINUS International (for Single Degree in Business in ASEAN)**

Sem	Code	Course Name	SCU	Total
1	ENGL6171	Academic English I	3	19
	CHAR6013	Character Building: Pancasila	2	
	ENTR6091	Project Hatchery	2	
	BUSS6091	Business Ethics	2	
	ECON6063	Economics	6	
	MGMT6011	Introduction to Management & Business	4	
2	ENGL6172	Academic English II	3	18
	CHAR6014	Character Building: Kewarganegaraan	2	
	ACCT6241	Accounting for Business	6	
	MKTG8005	Marketing Management	4	
	BUSS6089	International Business I	3	
3	CHAR6014	Character Building: Agama	2	22
	LANG6061	Indonesian	1	
	ENTR6094	Design Driven Entrepreneurship	3	
	BUSS6090	International Business II	4	
	MGMT6012	Human Resources Management	4	
	MATH6116	Mathematics & Statistics for Business	6	
	FINC6110	Financial Management	2	
4	BUSS6192	Business Communication	4	21
	MGMT6248	Cross Cultural and Organisation Management	6	
	BUSS6029	Business in Indonesia	2	
	MGMT6252	Operations Management & Information Systems	6	
	RSCH6065	Research Methodology I	3	
5	<i>(DD program in UNSW, VUW, and Ningbo Universities will depart this semester)</i>			22
	BUSS6027	Exporting – Importing	4	
	BUSS6024	Business in ASEAN	4	
	MGMT6107	South East Asian Culture	3	
	ECON6064	Managerial Economics	3	
	MGMT6249	Project Management	4	
	MGMT6232	Strategic Management	4	
6	Enrichment Program I		16	16
7	<i>(DD program with CBS, Bournemouth and InHolland Universities will depart this semester)</i>			16
	Enrichment Program II		16	
8	MGMT6117	Thesis	6	12
	RSCH6066	Research Methodology II	2	
	BUSS6026	Contemporary Issues in ASEAN	4	
TOTAL CREDIT 146 SCU				

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			

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 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	

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

Enrichment Internship Track

Code	Course Name	SCU	Total
BUSS6094	Industry Experience	8	16
BUSS6095	EES in Industry	4	
BUSS6096	MNC/SME Practice in Industry	4	

Enrichment Entrepreneurship Track

Code	Course Name	SCU	Total
ENTR6092	Business Model Innovation	8	16
ENTR6096	Creative Business Planning	4	
ENTR6097	Managing Across Cultures	4	
ENTR6093	Sustainable Startup Creation	8	16
ENTR6098	Networking for Net Worth	4	
ENTR6099	Business Story Telling	4	

The Table of Prerequisite for International Business

Subject		SCU	Smt	Prerequisite		SCU	Smt
BUSS6090	International Business II	4	3	BUSS6089	International Business I	3	2
MGMT6012	Human Resources Management	4	3	MGMT6011	Introduction to Management & Business	4	1
MGMT6248	Cross Cultural and Organisation Management	6	4	MGMT6011	Introduction to Management & Business	4	1
RSCH6065	Research Methodology I	3	4	MATH6116	Mathematics & Statistics for Business	6	3
RSCH6066	Research Methodology II	2	8	RSCH6065	Research Methodology I	3	4
BUSS6027	Exporting – Importing	4	5	BUSS6089	International Business I	3	3
BUSS6024	Business in ASEAN	4	5	BUSS6089	International Business I	3	3
BUSS6026	Contemporary Issues in ASEAN	4	8	BUSS6024	Business in ASEAN	4	5
				MGMT6107	South East Asian Culture	3	5

Courses to be taken at partner universities

<i>International Trade- Cologne Business School (1-year DD program)</i>	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
<i>European Management - Cologne Business School (1-year DD program)</i>	
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
<i>Business in China – Ningbo University International College (2-year DD program)</i>	
Chinese Economy	2
International Trade Practice	4
Fundamental Production & Operation Management	4
General Information About China	3
Chinese Cultural	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

Course Name	SCU
<i>International Business Innovation Studies (IBIS) – Inholland University of Applied Science (1-year DD program)</i>	
Creating Value through Innovation	30 EC
Leading Innovation / Graduation Track	30 EC
Innovation Consultancy / Graduation Track	30 EC

Course Name	SCU
<i>Business and Management – Bournemouth University (1-year DD program)</i>	
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

Course Name	SCU
<i>International Business & Marketing Management – Victoria University of Wellington (2-year DD program)</i>	
<i>Option of majors:</i>	
Commercial Law	64
Economics	64
Human Resource Management and Industrial Relations	64
Management	64
Marketing	64

Program	SCU
<i>Commerce – The University of New South Wales, Australia (2-year DD program)</i>	
<i>Option of majors:</i>	
International Business	64
Marketing	64
Human Resource Management	64
Management	64

For more information please visit: <http://www.handbook.unsw.edu.au/undergraduate/programs/2013/3502.html>

4.7 Course Descriptions

4.7.1 International Accounting & Finance

ACCT6242 - PRINCIPLES OF ACCOUNTING (6 SCU)

Learning outcomes: This module emphasizes on 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 procedure based on Indonesian and International accounting standards (PSAK and IFRS); apply the accounting procedure in different business transaction; prepare company major financial statements in a simple business situation; explain the role of accounting professions in business society

Topics: This course introduces the role of accounting in business transaction and role of accounting professions in business society. This course also provides the foundation to other financial accounting courses. Topics covered in this course include accounting conceptual framework, accounting cycle, accounting equation, basic accounting concepts (assets, liabilities, equities, income, and expenses), identifying, recording, and reporting business financial transaction to prepare company financial statements (financial position statement, income statement, cash flow statement, statement of changes in equity).

Pre-require: 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 demand and supplies.

Topics: Consumer theory, production and cost theory, perfect competition, market power, imperfect competition, and strategic behavior

Pre-requisite: 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-requisite: Microeconomics

ACCT6243 – INTERMEDIATE ACCOUNTING (6 SCU)

Learning Outcomes: This module emphasizes on the application of International (IFRS) and local (PSAK) 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 and accounting standards, practices and procedures on certain financial accounting issues according to IFRS and PSAK; analyze the consequences of applying accounting standards on company financial statements; prepare company financial statements involves more complex business transactions; analyze company financial statements in regards to various business transactions; communicate financial accounting issues effectively; and discuss the ethics in the environment of financial accounting.

Topics: This module introduces students to the application of accounting standards and procedures with specific issues. The topics covered in this module include the valuation, disposition and impairment of tangible and intangible asset elements, the valuation of liabilities elements, dilutive securities, investments, revenue recognition, pension, and leases. In each topic, students will also learn to identify ethic issues arisen and discuss the role of accounting professions in such issues.

Pre-requisite: 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 centres and the related responsibility accounting, Budget for controlling, Performance measurements, Techniques for analyzing and managing costs, Supporting information for project appraisal.

Pre-requisite: Microeconomics; Principles of Accounting

ECON6065 – ECONOMIC MATHEMATICS (4 SCU)

Learning Outcomes: This course is designed for students taking 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-requisite: 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 issue such as tax procedure; demonstrate and apply tax calculation; demonstrate an awareness the importance of tax for the government; demonstrate an understanding of professional and ethical responsibility related to tax issue. Students are also expected to be able to compare and contrast all aspect of more advance tax issue; 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 advance tax issue.

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 tax in the best optimal way. Some topics covered include taxation management in retail, manufacturing and service companies.

Pre-requisite: None

ACCT6062 – FINANCIAL AUDIT I (4 SCU)

Learning Outcomes: This course in Auditing is designed to give student fundamental concepts in auditing concern 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 course, 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 accounting major. The knowledge and skills attained in the course is crucial to build comprehensive accounting competence and understanding in mergers and acquisitions, foreign currency, hedging, partnerships, bankruptcy & liquidation, non for profit accounting, and the economy aspect of sustainability report.

Topics: All mergers and Acquisition with different methods based on different ownerships, foreign currency, hedging, partnerships, bankruptcy & liquidation, non for profit accounting, and the economy aspect of sustainability report.

Pre-requisites: Intermediate Accounting; Business law & Taxation

FINC6107 – FINANCIAL AUDIT II (6 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to analyze audit problems and construct proficiency solution through audit standards; compare and contrast all aspect of conflict of interest in audit; demonstrate ability in applying audit process to the accounting cycles; demonstrate ability in communicating audit issues in written and verbal; demonstrate ability in completing audit, reporting to management and external reporting. Students are expected to be able to apply the concepts in auditing by using the audit specific application and working papers, to perform queries and analysis of financial transactions using ACL software used by auditors to organize and evaluate information

Topics: This course teaches students to apply audit concepts in various accounting cycles, apply sampling techniques in compiling audit evidence, and explain audit operational concept. The course also discuss about sampling in audits, sampling on control and substantive tests, auditing the revenue cycle, auditing the expenditure cycle, auditing on production and personnel service cycle, auditing the investing and financing cycle, auditing investment and cash balances, completing the audit and reporting, other assurance services, and government auditing.

Pre-requisite: Financial Audit I

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 context.

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 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 process of enterprise value chains; present documentation of workflow processing and internal control requirements, and illustration of modeling of accounting interoperability; visualize 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 frauds and IT governance of SOX compliances, and the advanced technology of business environment.

Pre-requisite: 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 framework, measurements, normative and positive accounting theories, system-oriented theories, corporate governance, earnings management, social and environmental reporting, behavioral accounting.

Pre-requisite: 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 gap in their chosen research topic; compare various research design elements; communicate their research ideas clearly; 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, writing a research proposal.

Pre-requisite: Managerial Accounting, Advanced Accounting, Corporate Finance, Statistics Fundamental

4.7.2 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 PRINCIPLE 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 (4 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 (4 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

DSGN6317 – 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 ADVERTISING (4 SCU)

Learning Outcomes: Each course has been designed to contribute to the attainment of Graduate Competencies. 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 – AESTHETIC (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 PERSPECTIVE (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.

4.7.3 Fashion

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 principal of fashion, explain basic business and management process as well as the choice of profession in the fashion industry, communicate ideas effectively in oral and written,

Topics: This course provides an introductory view of fashion industry. These relate to the basic knowledge in fashion concepts, level 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 the distribution in a retail industry.

Pre-requisite: None

FASH6060 – INTRODUCTION TO FASHION SKILL 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, Organize professional working method and schedule.

Topics: This course will introduce students to basic garment assembly and production techniques, from flat pattern, drafting and draping to produce a variety of sewing techniques and machineries. To the larger extent, the students will produce a prototype of creative form and silhouette for style and fit evaluation test, Students also learns to identify fiber, yarn, fabric, its sources and properties, altogether with the fabric construction, which contributes to building fabric characters. To the 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-requisite: None

FASH6061 – INTRODUCTION TO FASHION DESIGN I (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to :Identify and reproduce revealed shapes through exploration and experimentation of appropriate manipulation skills, Use appropriate colors and shapes in creating simple design, draw basic figure proportion, contour, balance, poses and movements of fashion silhouette; show evidence of aesthetic and functional details in fashion drawing, Display their working progress in visual portfolio for a wide range of audience 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 creative manipulation in order to achieve visual aesthetics. To the 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 introduce students to basic figure drawing and fashion anatomy, as well as to learn rendering techniques with pencil, marker and color pencil to female and male silhouette, and also developing technical drawing skill 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-requisite: 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: Upon successful completion of this course, students are expected to be able to: Identify and explain major art influence and modern art movements; interpret the Western art to the development of modern clothing; give positive art appreciation and criticism to art and study on the cultural aspect.

Topics: This course is a study to historical and cultural art movement and social issue around the world. To the larger extent, the students will inspired and have more appreciation to art and able to make critics and judgments on art movement.

Pre-requisite: None

FASH6063 – INTRODUCTION TO FASHION SKILL 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 aesthetic, efficiency, and effectivity in 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 form. To the 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-requisite: None

FASH6064 – INTRODUCTION TO FASHION DESIGN II (6 SCU)

Learning outcomes: Upon successful completion of this course, students are expected to be able to: explain and apply various method in design process and concept development, Apply appropriate research approach to analyze ready to wear design in relation to cultural and contemporary issue, apply appropriate technique to do 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 design.

Topics: Fashion design is one of the acts of creating visual form. 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. In a 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 illustration. Students will be given a specific briefing so they can explore ideas and develop their creativity through series of research, concept development, consideration of style until they can finally come up with relevant design solution in areas of illustration, such as mixed media and digital image editing. This can be informational, promotional or technical drawing.

Pre-requisite: 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 outfit, 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 the trend in daywear creations and create a personal daywear collection, Apply good time management in the production process of a daywear collection, Arrange and display a working progress of creating a daywear collection in visual port folio.

Topics: This course will introduce students to making a fashion collection. The students will conduct basic research and identify a design issue. Then, the students develop garment ideas and realize them as a woman-wear/man-wear 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-requisite: None

FASH6082 – PRODUCTION I (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Apply range of technical and practical skills in sports wear construction, to demonstrate and communicate sportswear design and technical progress through portfolio with independent judgement of aesthetic, efficiency, and effectivity in 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 process to assemble a finished garment with personal style.

Topics: This course encourages students to work with their own personal development of the patternmaking and draping by introducing students the basic process of garment making, fabric cutting process suitable the pattern and efficiency. In addition, students will study basic sewing techniques, correct pressing process, 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-requisite: 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 trend, deliver effective presentation in fashion trend forecasting topic.

Topics: Fashion trend forecasting module is a study to understand issues that are affecting design in order to analyze the upcoming trends. Students will learn how to do research on past and current market dynamics and

project them into the future trends. Moreover, the fashion trend research and forecasting is invaluable to aspiring fashion people in the industry to be able to compete in the marketplace. Through research visits, students will learn not only capture the color, texture, but also translating more trends coming from societies and cultures. The output will be producing the trend book prediction based on students' journey and analysis.

Pre-requisite: None

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 report, apply good time management and planning in conducting fashion research, analyze the factors influencing fashion trend, deliver effective presentation in fashion trend forecasting topic.

Topics: Fashion trend forecasting II module is a live project in trend research with a company to implement knowledge gain in Fashion Trend Forecasting I. Students need to do research on specific market and analyzed the relevant upcoming trend based on the research. It requires a critical thinking and own 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 audience in relation to ethical and aesthetic aspects, Produce several exploration and experimentation using appropriate techniques and materials on design process with independent judgement of aesthetic, efficiency, and effectivity in 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 portfolio.

Topics: This course will implement the process of making a collection with a live project live in. The students will conduct research inspired by the Indonesian heritage and culture and produce a contemporary design of womens wear or menswear collection. Also the course will 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-requisite: Fashion Design I

FASH6071 – PRODUCTION II (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Apply range of manufacturing processes in tailor design process with a range of of technical and practical skills in tailor construction, to demonstrate and communicate tailor design and technical progress through portfolio with independent judgement of aesthetic, efficiency, and effectivity in 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 process 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 also increase the creativity to apply the material had been added in the manufacturing of tailor 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 the standard garment.

Pre-requisite: None

FASH6070 – FASHION BUSINESS FOR FASHION DESIGN (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 design of fashion business plan

Topics: This course brings you a picture on being an entrepreneur in the fashion industry. You will also learn how a new business started 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-requisite: 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 method 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 silhouette and design a range of collection by deconstructing the pattern of their iconic pieces.

Pre-requisite: 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 demonstrate effective written, verbal, and presentation skills.

Topics: This course will utilize students' experience on 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. According the development of the fashion industry, 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-requisite: 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 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. In wider perspective, students need to come out with the solution to produce more considerate design products.

Pre-requisite: 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 fashion business, able to manage a process in export and import in fashion business, communicate people report and appraisal in fashion, understanding export and import process in fashion operation business, understanding the way and strategy in export and import, understanding the process and able to make a strategic plan in distribution channel.

Topics: This course designed to guide students on managing people and placing talents in fashion business, process of export and import process. Analyze the process of export and import. Students learn how to manage people as one of the important factor 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-requisite: 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 a research on the field of fashion design and management, appraise an independent judgment and articulate reasonable arguments on aesthetic demonstrate effective written, verbal, and presentation skills.

Topics: This course will implement the process of writing fashion thesis document. Upon the completion of this project, students are expected to be able to create and develop comprehensive thesis document, present and defense their thesis. Student will apply and analyze theoretical knowledge of fashion design and fashion management issues. Student needs to apply the BNSD Thesis guideline.

Pre-requisite: 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 skill in creating and compile portfolio & e-portfolio, apply a range of communication skill 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 conceptual ideas that meet the requirements of the fashion design industry.

Pre-requisite: 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 recognize design problems and produce appropriate solutions, appraise an independent judgment and articulate reasonable arguments on aesthetic : demonstrate critical thinking to solve design problems relevant with the market research, consumer and environment aspect, 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 students require 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 on their brand campaign. At the end of the semester, students will prepare to exhibit their work through the graduate exhibition.

Pre-requisite: 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 influences 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's 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, the needs of marketing as applied in the world of fashion and its value in business, fashion business environment, market segmentation and targeting strategies, market research, consumer behavior, product development, pricing policies and distribution, an overview of promotion and business planning, discuss more specific information on the retail and fashion world which is a dynamic and fast-moving industry. 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 & consumers.

Pre-requisite: 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 the 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 Retail business, explain and apply the principles of operation management in retail fashion industry, apply appropriate methodology in developing a strategy analysis of 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 own brand and implement its strategies, examines more deeply on psychological aspects of communication, on how to set the right strategy and tone to tell the public and gain knowledge & awareness, enables student to examine the role of product manager and retail manager within a fashion company where student will learn the Merchandising and Retail Management, give understanding the relation and implication of Retail Management.

Prerequisite: 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 advertisement using appropriate techniques and methods, show evidence on aesthetic and concept generation, communicate effectively the visual aid 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 image of one brand through set of promotional items, as well as to develop logo, and other corporate identity. Students are expected to build their own brand and produce a look book for the brand at the end of semester.

Pre-requisite: 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 skill in developing contemporary design that captures the market needs as well as to have an initial research on trend and develop own style based on the traditional heritage. The final outcome should creatively demonstrate the innovative fashion marketing concept and branding. Students can choose their own product such as accessories, garment, home ware collection, or any fashion products.

Pre-requisite: 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 fashion retail business, understanding the process and maintaining sales report, design and produce report sales, analyze sales report and able to produce sales management figure in retail fashion business, able to communicate the retail management report in effective way to ranges audiences.

Topics: This course is designed to guide students on managing fashion retail business, sales figure in fashion retail business, This course emphasize on step by step guidance to manage fashion store or boutique, how to expand and manage it well. The study case and study in the real field. Analyze the success story in fashion retail management. Students learn how to make a good report sales and other retail management report.

Pre-requisite: None

FASH6075 – ENTREPRENEURSHIP FOR FASHION MANAGEMENT (8 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: Analyze opportunities and target market environment as well as competitors in creating business through research, demonstrate ability in managing business process from planning to realization, outline a creative business plan and company profile, design and produce fashion items according to market trend, present business plan through effective verbal and written communication.

Topics: The Entrepreneurship course is designed to guide students on how to start a new business venture by captures the business opportunities appear in the market, develop new products, new ideas and services. This course emphasizes on step by step guidance to construct a business plan as well as to develop brand equity. Students will be required to integrate the skills acquired from previous courses, in order to develop further thinking in relation to a brand and business development. Live project will be set to add students' experience of the actual industry

Prerequisite: Fashion Marketing II

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 design and promotion concept for a fashion product, explore and experiments with range of materials, conduct visual research to develop design concept and production, apply a range of techniques to produce a fashion item relevant to trend, create a reflective diary of own work.

Topics: This course emphasizes on 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-requisite: None

DE1213 - GLOBAL DESIGN PERSPECTIVE (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

Pre-requisite: None

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.

Pre-requisite: None

4.7.4 Film

FILM6044 – FILM LITERACY (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: None

FILM6045 – SOUND & IMAGE (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: None

FILM6046 – VISUAL STORYTELLING ELEMENTS (5 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain filmmaking process from idea to exhibition; Explain elements of film form and narrative: Plot, act, characterization; Explain elements of film style: mise-en-scène, cinematography, editing, and sound; Explain the importance of production design for filmmaking; Explain job description of artistic department in filmmaking process; Apply basic storytelling elements; Discuss the logic of storytelling.

Topics: This is a fundamental film-making course that focuses on storytelling and artistic film elements. Students should be able to demonstrate narrative form and storytelling tools as well as focusing on mise-en-scène elements in relation to film. They should be able to combine these elements into unity and discuss all job descriptions and the production planning related to their subdivisions. Differences between management systems, Hollywood styles and its alternatives, is one central issue among others. It is a fundamental film theory class that focuses on film artistic and production design. Combination of book reviews, class discussion and various film screenings brings students to be able to use different artistic elements into unity.

Pre-requisite: None

FILM6047 – SCRIPTWRITING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Visual Storytelling Elements, Film Literacy

FILM6048 – PRODUCTION WORKSHOP I (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Sound & Image

FILM6049 – CINEMA & SOCIAL STUDIES (5 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: None

FILM6021 – WORLD FILM HISTORY (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Film Literacy

FILM6050 – NARRATIVE DIRECTING (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Apply advance story structure to a short film script based on reality; Analyze story scene by scene; Explain writer, actor and director perspectives and preferences; Express visual concepts using the elements of mise-en-scene in accordance to its narrative elements; Apply basic skills of directing crews and actors to create a narrative form in filmmaking; Analyze a film to reflect the director's vision; Identify various styles of film directing; Demonstrate the ability to communicate effectively on visual interpretation to actor and film crew; Apply good team work and leadership skills in film production.

Topics: A director is a storyteller. This course introduces directing skills and language in overcoming narrative, dramatic, and visual challenge, preparing students to tell story effectively and expressively. The course will teach various skills on film direction, both theory and practical. Students will be introduced to the fundamental theories of the mise-en-scene, various works and style of other directors screened in class and practice these skills in class and in directing their own projects. The second half of the class focuses more on developing stories and script based on research on students' environment. Students are encouraged to find their own writing style, to study writing structures, development of characters, to explore more in antagonist characters, ambience, dream scenes, climaxes, and ending. The class also encourages students to understand actors and directors perspectives in scene development.

Pre-requisite: Scriptwriting

FILM6051 – VISUAL TECHNIQUES (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Sound & Image, Film Literacy, Scriptwriting

FILM6052 – FILM INDUSTRY SEMINAR (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: None

FILM6053 – PRODUCTION WORKSHOP II (5 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Production Workshop I

FILM6054 – DOCUMENTARY CINEMA (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Narrative Directing, Production Workshop I

FILM6026 – HISTORY OF INDONESIAN CINEMA (2 SCU)

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.

Pre-requisite: Film Literacy

ARTS6012 – HISTORY OF ART (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: None

FILM6027 – FILM THEORIES (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: World Film History, Cinema & Social Studies

RSCH6030 – RESEARCH METHODOLOGY FOR FILM (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Cinema & Social Studies

FILM6055 – ADVANCED PRODUCTION WORKSHOP (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Production Workshop II

FILM6056 – ADVANCED VISUAL TECHNIQUES (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Visual Techniques

FILM6060 – PRODUCTION INTERNSHIP (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Evaluate the use of his/her classroom knowledge in the real industrial situation; Evaluate the internship experience for his/her future career; Evaluate the gap between what learned on production set and in the classroom; Practice utilizing information and experience from internship to analytical writing in scholarly manners; Apply prior filmmaking knowledge and skills in a real professional film production situation; Demonstrate leadership ability and management skill in professional working environment; Demonstrate the team-working ability to collaborate with casts and crews in a professional film production; Analyze their own experience on working in a professional film production; Practice making an evaluation report based on their work on and off set of a film production.

Topics: Through this off-campus course, students experience a real situation in working closely with the head of departments to assist them in everyday task of a professional film production. The students will be monitored regularly and reflect this experience in an evaluation report.

Prerequisite: Production Workshop II

FILM6061 – NEW MEDIA PRODUCTION (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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; Apply basic principles of entrepreneurial skill for new media content; Demonstrate ethic and professionalism in creating new media content; Practice the required audio-visual technology for new media content; Manage post production workflow for new media content

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.

Pre-requisite: Production Workshop II

FILM6057 – CULTURAL STUDIES & NEW MEDIA (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Film Theories

FILM6058 – HOLLYWOOD & GENRE STUDIES (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Prerequisite: Film Theories

FILM6059 – GLOBAL CINEMA (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Film Theories

FILM6062 – FILM CRITICISM/ANALYSIS (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Cultural Studies & New Media, Hollywood & Genre Studies, Global Cinema

FILM6063 – INDONESIAN DIRECTOR STUDIES (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to :Utilize mythological 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; Analyze social and cultural background of films made by film directors; Criticize the position of specific directors in Indonesian cinema; Analyze production system in which Indonesian directors create their work; Describe the gaps in the existing knowledge on past and present Indonesian film directors; Evaluate new discoveries from the field research on investigation report.

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.)

Pre-requisite: Cultural Studies & New Media, Hollywood & Genre Studies, Global Cinema

FILM6030 – THESIS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Enrichment Program I, Enrichment Program II

FILM6032 – PRODUCTION DESIGN (3 SCU) (ELECTIVE)

Learning Outcomes: Upon successful completion of this course, students are expected to 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.

Pre-requisite: Visual Storytelling Elements

4.7.5 Communication

COMM6194 – INTRODUCTION TO COMMUNICATION (3 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: Describe the concept, essence, function and pattern of communication, explain the principles of communication, identify communication issues in all types of communication, and explain aspects of communication for social interaction in political, economical, social and cultural context.

Topics: The class introduces students to communication and communication science; Communication perspective and paradigm; The Functions of communication; The Principles of communication; Communication characteristics and models; Perception and communication; Effective communication management; Verbal and non verbal communication; Mass communication; Communication and Society; Communication Research

Pre-requisite: 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, evaluate several photography and videography styles.

Topic: The goal of this course is to prepare students to have the skills of photography and videography. The course is designed to teach students to practice photography and videography. In short, the course prepared students how to take different angles of pictures for different type of audiences and purposes.

Pre-requisite: 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 audience (clothing, kinesics, posture, gestures, haptics and paralinguistic) Prepare research, organizational and delivery skills for the preparation and presentation of speeches; Extend ability to listen critically and analyze public speeches; Create and write their own public speech and performance for a targeted audience (in person, through video and audio); Extend the ability to perform in front of broader audience; 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, 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 role of speakers to convey the message to the audience and be at their best presentation, verbally or non-verbally.

Pre-requisite: None

COMM6164 – CREATIVE WRITING (2 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: Explain critical, theoretical, and history of literary works; Describe observed reality in writing; Develop personal and subjective writing skills and styles to express thoughts and feelings; Create fiction writing; Review his/her writing and the writing of others.

Topics: The class introduces students to imaginative writing as both craft and self-expression; writing as a process; literary forms, styles, and genres; editing, revising, and reflecting; writing persuasive and expressive texts; fiction writing.

Pre-requisite: None

COMM6243 – COMMUNICATION THEORIES (6 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to: Explain principles and central ideas of different communication theories; Compare different perspectives in communication and media studies; Explain chronologically the long history of development of communication discipline; Apply different communication theories in real live; Evaluate advantages and disadvantages of different communication theories applied to specific communication problems; Review 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 communication process and the relationship among the leading ideas in communication; introduces principles and central ideas of important theories they are likely to

encounter in the communication discipline; overviews brief history of how the communication discipline is developing; explores classic as well as newest thoughts in communication; explores of practical, engaging, and relevant ways in which these theories operates in our lives.

Pre-requisite: 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 material for digital medium; aware of new ideas, development, issues in relation to digital publication.

Topic: The course is designed for the students to explore other form of publication. It introduces the students to steps of digital publication. Student will have to design and develop a publication and publish it online.

Pre-requisite: 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; Utilize the interpretation of statistical analysis result in decision making.

Topics: This course is part one of Business Statistics courses offered to Marketing, HTM and International Business programs which introduce 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.

Pre-requisite: 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 text and theory, identify and explain the role of political elements for development and application such as political parties, bureaucracy, media and government in a political system, analyze current political situation using suitable theories, 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, and develop critical thinking, and writing skills. This course aims to provide students with analytical tools that will enhance their understanding in this field of study.

Pre-requisite: 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 emotion, communication situation and successful interaction; explain various tools and their effectiveness in interpersonal communication.

Topics: The class exposes students to communication between individuals: it explores the roles of individuals and how the process affects identities; it introduces the roles of human perception and language; it also overviews how the process depends on emotions and willingness of involved parties; the class also explores conditions for healthy interpersonal communication; and towards the end of the course students discuss their involvement in relationships between individuals by exploring various kinds of interpersonal communication.

Pre-requisite: 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 four layers (individual, interpersonal, organizational, cultural) in layered approach of intercultural communication; Explain intercultural communication solution both in regional and international context; Conclude factor, process and benefit of intercultural communication in plural and global society; Conclude supporting and inhibiting factor in intercultural communications.

Topics: Background, definition and dimension of intercultural communication; Relation between communication and culture; Culture as filter; Perception, behavior, stereotype and prejudice; Understanding the differences of culture; Time dimension in intercultural communication; Influence in communication process with stranger; Message interpretation and transmission; Interaction with foreigner; Communication and acculturation; Theories of intercultural communication; Cultural stock and self adaptation in cultural environment; Intercultural communication research.

Pre-requisites: 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 action in different specific social contexts; Explain a basic understanding of psychoanalysis.

Topics: The course introduces students to psychology and social psychology, especially in explaining the development of human mind and action in different aspects in individual and social context.

Pre-requisite: None

COMM6246 – INTRODUCTION TO JOURNALISM & INTERVIEW TECHNIQUE (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 technique; explain the management process in journalism, explain the importance of media interview in modern journalism; apply different media interview techniques; apply ethical codes related to interview techniques; and demonstrate proper interview technique

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 an introduction

to some issues such as regulations and ethics. This course is designed to teach student how to properly gather information through interviews. Nowadays media is evolving, it is crucial for the student to know the different approach in interviewing news source for different types of media. Student will have to prepare story where they have to gather the information through interview.

Pre-requisite: None

COMM6245 – INTRODUCTION TO PR & CREATIVE ADVERTISING (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain the origin, tasks, and roles of Public Relations and advertising; Explain Public Relations research, theories, ethics & positive values in relations with the community; Analyze Public Relations cases using appropriate theories and techniques; Design a Public Relation planning using appropriate techniques; explain the principles of advertising and its impact on society; explain the structure of advertising company and their respective role; apply appropriate process in making a good advertisement; interpret and apply the result 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 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 also discuss ethics of Public Relations and advertising also their implications to the laws. In practical side the class also discusses the strategic management in Public Relations and advertising practice, different communication channels and the types of media, and Public Relations and advertising strategies and campaigns.

Pre-requisite: None

SOCS6012 – SOCIAL CHANGE & 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; Illustrate social change as an effect of the current globalization process in different parts of the world.

Topics: This class exposes students to basic concept, 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 globalization process and social change.

Pre-requisite: None

LAWS6126 – MEDIA ETHICS & LAW (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Analyse interactions between freedom of expression and regulations to curb it; explain histories of policies in controlling media and analyse the impact of political and economic powers to the policies, Analyse political economy logics behind policies in mass media. Describe the principles of organization; describe the basic concept of organization

communication; explain the methods of creating an effective communication in an organization. Explain the general connections between words “communication” and “community”. Evaluate communication functions in space and time metaphors. Construct transmission and ritual aspects of each communication situations.

Topics: The class provides students with understanding and critical attitude towards the relation between media, law, policies, and the source of needs to regulate media. Different screenings and class discussions equip students with understanding of the needs to regulate media systems, contents, even audience and ways of consuming media.

The course introduces the student to ways of communicating in organizational context. Concept, process, and theories of Communication in Organization are discussed and demonstrated in the class in order to illustrate the contemporary situation. The class explores interconnectivities of media, communication, culture and society, discussions of meanings in communications that shape identities of members of societies. Students are asked to understand communication beyond its function as a means of control and beyond its effects to audience, to embrace the more ritualistic functions of communication for members of the society.

Pre-requisite: None

MKTG6185 – MARKETING MANAGEMENT (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Apply different management phases and concept in managing an organization; Explain different challenges in management and decision-making process; Explain ethics and social responsibility in business practice. Describe marketing mix and marketing strategy 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 concept, theories, and models; Describe basic principles of consumer’s behaviors from a variety of behavioral perspectives; Describe the role of consumer’s behavior in mass communication from the perspective of public relation and advertising; Recognize the influence and roles of various factors relating to consumer’s decisions process; Demonstrate the usage of consumer marketing research and strategy to shape consumer behavior; Analyze consumer decision making in a variety of situations and be able to develop 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 the foundation of what marketing is all about.

This course introduces an in-depth understanding of the roles and function of consumers in the market place and its implication for marketing strategy related to public relations and advertising. The class demonstrates and analyzes consumer decision making process, perception, learning, group influences, and marketing implications.

Pre-requisite: None

RSCH6018 – QUANTITATIVE AND QUALITATIVE RESEARCH METHOD (4 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to: identify and explain research problem area in social studies, apply critical thinking in analyzing research problem, review the position of theory in the research, differentiate types, purposes and the use of social research, explain and apply principles of qualitative and quantitative research, including the process, data collection method and analysis, apply appropriate approaches and techniques in designing research project, and communicate research ideas and design effectively in verbal and written form.

Topics: The course introduces students to conceptual and theoretical basis on social research methods, applying qualitative and quantitative approach. It will be build upon students' understanding on the logic of social science inquiries and gradually introduce type of social research and its purposes leading to data collection techniques and analysis. The course is geared towards students' ability to write their own research design as the basis for thesis proposal. Core principles of quality research such as validity and reliability will be introduced with objectives to enable students to be first-class social researchers and discerning users of social research.

Pre-requisite: 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 methods concepts and tools; Review vertical stratification (social classes and social mobility) and human variation based stratification (gender, racial, ethnic, and religion); Explain personality, deviance and social control; Explain the dynamic of social changes and their relations to different sociological institutions, and how mass media can affect it in local and global context; Explain and identify different cultural elements in Indonesian daily life; Explain cultural changes and their relation with history and development of various cultural identities in Indonesia; Produce simple ethnographic film or essay on people and culture; Capture the essence of identity, people and culture clearly and objectively

Topics: This class introduces students to sociological basic assumptions, especially in explaining human being in different social contexts. Moreover, introduces students to anthropological basic assumptions, from cultural relativism (versus stereotypes that leads to racism, ethnocentrism, and chauvinism), followed by the introduction to ethnography and visual anthropology, and continues to understanding of cultural values, norms, knowledge and believes, followed by elements of culture. The class starts from society, socialization, interaction, groups, social structure, followed by the introduction to quantitative methods: statistic, and questionnaire, continues to understanding of vertical and horizontal stratification. The class is also introducing different social institutions such as education, religion, health, and social movements, all from macro and global perspectives. In discussion, students use mainly cases of cultures, ethnic groups and societies in Indonesia.

Pre-requisite: 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 analysis; interpret data for practical application 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 publics, markets and audiences that are important for researches concerning communication profession.

Pre-requisite: Qualitative and Quantitative Research Methods

ENTR6095 – MEDIA BUSINESS & ENTREPRENEURSHIP (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Analyze 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 media practice. Communicate 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 gives special emphasis on commercializing ideas derived from media research and data.

Pre-requisite: None

COMM6257 – MEDIA INTERNSHIP (4 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to : Evaluate the use of his/her classroom knowledge in the real industrial situation ; Evaluate the internship experience for his/her future career ; Evaluate the gap between what learned at the media industry and in the classroom.

Topics: Through this course, students experience a real situation in industrial production and reflect this experience in an evaluation report.

Pre-requisite: None

COMM6247 – BROADCAST JOURNALISM & REPORTING (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Differentiate broadcast journalism with other types of journalism; Apply basic principles of broadcast journalism; Demonstrate journalistic 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 program; Apply news casting skills in conducting broadcasts for TV program.

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 program. 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 program.

Pre-requisite: 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 printed media journalism with other types of journalism; Apply basic principles of print media journalism; Demonstrate journalistic skill for print media; Develop editorial ability for print media journalism; Develop effective and essentials skills in layout and picture editing for print publication; Demonstrate effective journalism for print media; Describe and discuss how editors perform their multiple roles in the newsroom; Illustrate newsroom structures, values and practice; 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 program. 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 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 process of the newsroom and its management.

Pre-requisite: Introduction to Journalism

LANG6087 – INDONESIAN (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 Indonesian; Apply depth understanding and good application of EYD for journalism; Perform basic skills and knowledge on literary journalism; Demonstrate proper editing skills in Indonesian.

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 production of a monthly newspaper by participating in story assignment, editing, page design and production. Students will also demonstrate skills in editing news, feature and opinion.

Pre-requisite: Introduction to Journalism & Interview Technique

COMM6249 – INVESTIGATIVE JOURNALISM (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain the difference between investigative journalism and other types of journalism; Apply basic knowledge of investigative journalism; Recognize news story that can be develop into investigative journalism; Demonstrate proper research in conducting investigative journalism; Analyze ethical and legal problem that can occur in investigative journalism.

Topics: In this course student will practice one of the most challenging type of journalism. therefore, this class will prepare student how to choose a news story that is worth investigating, conducting proper research, weeding out reliable source and hoaxes and at the same time maintaining a good integrity as a responsible journalist.

Pre-requisite: Introduction to Journalism & Interview Technique

COMM6250 – CREATIVE AGENCY INDUSTRY (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Students will be able to differentiate a variety of 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 learnt about the various creative agencies to their personal career goals.

Pre-requisite: None.

COMM6251 – CRISIS COMMUNICATION AND MEDIA RELATION (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain basic concept of media relation; Explain elements of media planning; Demonstrate good communication skill with the media; Identify issues in media relation; Apply strategic plan in communicating issues with the media. Describe the role of public relation in crisis communication; Identify crisis communication using the application of public relation theory; Interpret crisis communication situation using the application of public relation theory; Interpret various aspects of crisis communication theory; Apply public relation plan to manage crisis communication; Analyze crisis communication case studies.

Topics: This course introduces students to planning and media relation is one of the interesting subjects in public relations management. By far the most critical part of any corporate communication department is the media relation function. Its role as disseminator of information to many of a firm's most important constituencies is more important today. This course explores what media relation professional should do and how best to approach a group of journalist and how firms should try to communicate with the media through relationship building. The first step before reaching of them is to understand media organization and its content. For students, the main purpose of this course is able to design a fully conceptual media relation planning by in-depth comprehending about media organization and content. This course explores the role of public relation in communication crisis. It focuses on management of communication crisis, emphasizing on practical application of theories, strategies, and tactics from a public relations perspective.

Pre-requisite: 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 public relations writing with other types of writing; Recognize the importance of crafting and delivering a Public Relations message; Demonstrate public relations writing technique in making and delivering a Public Relations message; Recognize ethical issues faced by PR writers; Create effective Public Relations message; Analyze current public relation writing case studies.: Explain the definition of Public Relations as a tool of management; Describe management problem in the tasks of public relations; Produce strategic plans and programs in taking action and communicating with the community; Compare public relations program with work realization relating to Public Relations Management.

Topics: This course emphasizes the strategy of constructing a Public Relations message using 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 practice, and future trends that relate to current public relations. The practices and application of public relations in a management setting are emphasized throughout the course.

Pre-requisite: Introduction to PR & Creative Advertising

COMM6256 – EVENT MANAGEMENT (8 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Describe the role and purpose (s) of events related to public relations and advertising; Recognize the importance in management of events related to public relation and advertising; Apply the techniques and strategies required to plan successful events related to public relation and advertising; Demonstrate the managerial skill in producing successful events related to public relation 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 relation and advertising.

Pre-requisite: 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: I Identify networking opportunities; Create industry relationships; Develop entrepreneurial communication skills; Organize networking events; Argue and justify MOUs(mutual agreement of understanding) ; Judge whether certain MOU's are in their favor or not.

Topic: Entertainment Networking and Negotiation exposes students to a variety of networking venues and events. It allows the students to immerse themselves in casual business situations and master the ability to connect with others and build relationships and negotiate MOUs to grow and further their entrepreneurial endeavors.

Pre-requisites: None.

COMM6254 – DESIGN & PROMOTION (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Apply promotion 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 design and promotion to create a clear branding strategy; Analyze to which extent their efforts were successful.

Topic: Students will learn about how a variety of media utilizes graphic design in order to strengthen their branding and their promotion strategies. The course will include company or guest visits in order to bring the topic closer to the student.

Pre-requisites: None.

COMM6258 – MEDIA INDUSTRY & TECHNOLOGY (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: Explain how different types of media affecting different job descriptions and management styles in mass media industries; Describe political-economy power of mass media in a society; Describe their own preference and vision for their future career in mass media; Explain the logic and development of media technologies; Explain business, management, programming and regulation aspects of media technologies; Explain consumption of media technologies and how it affects culture and social life.

Topics: This course provides holistic fundamental aspects of media industries, and their significance to the formation of social-political-cultural conditions, focusing on different topics such as debates between ideals and

commerce, information and entertainment, the role of media as public sphere, management styles, active audience, and many other mass media related issues. The course takes students to different situations of media industries by exposing them to an open for public lecture by leading figures in each medium and/or job descriptions, followed by discussions. The class develops students understanding about technical aspect, programming and management, regulations and consumption of broadcasting, cable, internet, and audio video technologies, the transfer process between digital and analog formats, media exhibition and consumption technology, and their consequences to media production and viewing practice.

Pre-requisite: None

COMM6102 - SOCIAL MEDIA CONTENT STRATEGIES & ANALYTICS (4 SCU)

Learning Outcomes: Upon completion of this course, students are expected to be able to: Set up a set 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 practice; 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 perspective of entrepreneurs, advertisers and marketers. Students will discover how to attain 'likes' and followership, as well learn to understand the difference between high and low quality content and consequently followers.

Pre-requisite: None

4.7.6 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 C 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 the 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 the basic 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 structured-programming using the C programming language, basic computing algorithms and basic data structures and an introduction to object oriented programming in C++ is also discussed. The students' competency is assessed by their capability in creating a middle-sized application program in the C programming language.

Pre-requisite: 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 effectively algebraic techniques to analyse basic discrete structures and algorithms; understand asymptotic notation, its significance, and be able to use it to analyse 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 specification, verification, databases, and cryptography; and apply formal logic proofs and/or informal, but rigorous, logical reasoning to real problems, such as predicting the behaviour 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 concepts of logic and proof; concepts of the language of mathematics including sets, sequences, number systems, relations; algorithms; concepts of counting methods such as permutations and combinations, and discrete probability; concepts of graphs and trees; and Boolean algebra. In addressing the problems students will also gain skills in writing grammars, automata manipulations, regular expressions, proof techniques and reasoning about computational capabilities.

Pre-requisite: 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 solve 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 solid understanding on a certain method they are expected to be able to implement the method into working object oriented application with the most popular technologies. The content of 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 understanding of 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.

Pre-requisite: 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, through to implementation in computer codes.

Pre-requisite: 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 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 system and the system-level implementation, including file organizations and indexes, query processing, and transaction management.

Pre-requisite: 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 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 complexity measures of algorithms.

Pre-requisite: Introduction to Programming

COMP6341 - MULTIMEDIA AND HUMAN COMPUTER INTERACTION (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to 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 project 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.

Pre-requisite: 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 equipments, 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; and identify infrastructure components and the roles they serve, and design infrastructure including devices, topologies, protocols, systems software, management and security. Analyze performance of enterprise network systems.

Topics: The course is designed to understand computer security through experiment. It shows the educational benefit from computer break-ins through capturing ever-changing penetration line of attack 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. If the system serves no other purpose, then every attempt to contact it seems suspect. If the system is attacked, the students learned 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.

Pre-requisite: 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 analyzing the impact on existing systems and applying to future situations; classify operating system techniques according to its principles; describe available methods and protocols to perform a computing job; assess the efficiency of techniques for managing computing resources.

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 focused in an open source operating system, such as Linux, with the intention of broadening students' mind, knowledge, and interest of an alternative open-source operating system.

Pre-requisite: 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 protection against internet attacks; identify and apply SEO friendly websites; design and create a dynamic web application using framework that implements server-side scripting and database access capabilities; recognize the alternative solution with its advantage and disadvantage; classify the available solution to balance between function and user friendliness; and build a useful web solution that complies with the requirements.

Topics: This course is designed to teach the major web-related topics with Java technology as a unifying theme and prepares student 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 web page 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.

Pre-requisite: 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; analyse 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 with 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 the lectures, lab sessions and projects that must be completed and presented during the course.

Pre-requisite: Introduction to Programming

COMP6345 - INTELLIGENT SYSTEMS (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain principles of artificial intelligence; define and apply appropriate computing and mathematical techniques in 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.

Pre-requisite: 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 team work 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 is built on distributed states and where multiple devices communicate with each other (for instance systems based on sensors and actuators). With the proliferation of wireless networking techniques and small but smart devices, mobile and pervasive computing is gradually moving from myth to reality. It has the potential to profoundly change the way we use computers and the way information technologies serve people. The goal of this course is to introduce students to the visions and challenges of mobile and pervasive computing and to discuss the principles and practice that make it possible. The course will help students to learn about and investigate the emerging issues in pervasive environments. A major focus will be on components that build pervasive computing systems: smart devices, smart environments, and smart services and interactions with users.

Pre-requisite: 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 characterise 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 analyse 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 use of cloud administration and application development tools and API; and work in teams to contribute, evaluate, and 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 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 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 the startup team.

Pre-requisite: None

GAME6048 - GAMES DESIGN AND PROGRAMMING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Explain and apply the principles of 2D and 3D game design and development, Apply appropriate mathematical concepts related to game development programming, Identify and analyze requirements of games design appropriate for a specific

market or user, design and develop computer game programs applying appropriate programming process and techniques, Apply current tools and technologies in designing computer games.

Topics: This is a hands-on course to train students in practical Games Design and Development. The aim of this course is to introduce students to the field of Games 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, learn about the techniques and algorithms used for developing games applications involving both 2D and 3D objects, learn the essential theory behind games design, and to be able to design and implement simple computer games in C/C++, including the use of library functions from various APIs.

Pre-requisite: Introduction to Programming

GAME6046 - ADVANCED GAMES DESIGN AND PROGRAMMING (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: apply advanced design and development principles in the construction of game systems; apply appropriate concepts of computing and mathematics in games design; identify and define the games design and programming requirements in solving a game design problem; create and evaluate advanced games design and programming techniques to meet desired needs; apply current techniques, skills, and tools creatively to produce innovative game design and programming practices.

Topics: This course covers intelligent characterization as well as advanced techniques in simulation. Games control and games theory 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 student should be able to demonstrate knowledge and skills of a games designer, computer games developer and AI games developer.

Pre-requisite: 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 principles of ethical hacking for professional responsibilities; and analyze the impact of a vulnerability to the security of the stakeholders.

Topics: This course prepares student to perform offensive security for the purpose of penetration testing. It introduces hacking tools, techniques, and the theory 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, using various tools used by hackers to access unauthorized information. The course includes 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.

Pre-requisite: 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, algorithm, or program to meet the desired need 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 secure system; identify the requirements to have a desired state of a system; develop a set of rules, algorithm, or program to meet the desired need of a computing system; and apply the techniques and tools to produce an innovative security computing solution.

Pre-requisite: Computer Networks and Security

4.7.7 Business Information Systems

ISYS6407 – CONTEMPORARY MANAGEMENT INFORMATION SYSTEMS AND ALGORITHM (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and to explain the principles and the use of IT/IS concepts in business, to identify and to explain the fundamental behavioral, technical, business and managerial concepts in IT/IS, to describe and to explain issues related to the application of IT in business processes related to IS components, operations, decision making and creation of competitive advantage, to explain processes and strategies in acquiring and implementing systems, to identify and to explain the process of problem identification and the solutions related to IT in business processes, to 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, to explain IT concepts, terminology, principles, management, and strategies for organizations, to compare new and emerging technologies, to discuss IT issues and their impacts on business, to discuss the challenges of living in the digital age, to use programming logic and different programming techniques to produce innovative computing practices, to apply the fundamental idea of dividing a program into components that can be independently debugged, maintained, and reused, and able to relates 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 today are designed, built, implemented, and maintained. It also provides students with an introductory overview of the Internet, World Wide Web, impact of computer on society and business, historic development of data processing, basic functions and use of computer hardware, software

applications, system software, basic skills in the use of word processing, spreadsheet, database, and presentation system and desktop publishing software applications, basic skills using a Web browser and search engine, and careers in the field of Information Technology. This course as well develops skills in program design and implementation by applying the concepts of computer fundamentals and logic formulation. It also covers the study of the different tools and techniques available in developing computer program logic such as flowcharts and pseudo code. Drones can be used as a support for this course and programmed by group of students in order to develop their logical skills.

Pre-requisite: 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, to apply appropriate Project Management concepts and create Project management documentation based on a set of requirements, to elicit user requirement and present the proposed solutions to a range of audience, to use appropriate software to plan and manage a project.

Topics: This course is also designed to master the applied techniques and method of software project engineering, to apply the techniques taught in small to medium size projects, to provide sufficient knowledge of a Project Estimation, Scheduling, Monitoring and Controlling tools, to start to use them in practice.

Pre-requisite: 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 program, to identify and to analyze basic computing problems, and define the appropriate solutions, to identify and to apply professional and ethical principles in programming, to describe the use of various data structures, to explain and to apply appropriate operations for maintaining common data structures, to apply appropriate data structures and simple algorithms for solving computing problems, to 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 in creating a middle-sized application program. This course also serves as a 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 as well learn the basic data structures and its use in different algorithms that are commonly used in making structured and efficient software programs. Part of the course will also cover a short introduction in the analysis of algorithms.

Pre-requisite: 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 to apply basic concepts and common techniques of statistics, probability, random variables, and different probability

distributions, to explain and to apply basic concepts of sampling and estimation techniques, to explain and to apply basic techniques in hypothesis testing of one-, two-, or more samples, to explain and apply basic techniques and analysis in linear regression, to identify and to analyze research problem in their field of study, to apply critical thinking and to demonstrate understanding of theoretical and practical aspects of doing research individually and/or in groups, to demonstrate knowledge of suitable approaches and methods in designing research projects, to design and communicate research ideas and designs effectively in verbal and written format individually and/or in groups, to describe and to apply basic concepts of matrices and its operations, to explain and to apply appropriate techniques in solving systems of linear equations, to explain the basic geometric and algebraic properties of vectors in two- and three-dimensional Euclidean space, to 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 in that, this course is also designed to introduce and familiarize students with basic steps and methods in conducting research project 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 a group-work on research proposal by the end of the course. This course is also designed for students taking Information System program that introduces elementary Linear Algebra and its application in economic and business problems. Topics covered in this course include solving systems of linear equations, matrices, determinants, vectors, linear transformations, eigenvalues, and eigenvectors.

Pre-requisite: None

ISYS6410 – INFORMATION SYSTEMS MODELLING (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 process for existing and new systems, to apply appropriate techniques for eliciting user requirements and system expectations, to interpret, to analyze and to apply user requirements in the system design, to explain and to apply variety of systems development methodologies and techniques, to apply techniques of contextual system analysis of the present use of technology to define principles of systems thinking, to describe causal connections in systems, to apply systemic approach in complex problem analysis, to apply suitable analytical tools to analyze complex problems, to explain and to 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 covers in this course are process modeling and data modeling, a variety of system development approaches tools and techniques using rapid application development, joint application development, and prototyping. This course is also designed to teach the student the steps in defining and analyzing, problems, in the context of a learning organization. This course aims to provide students with the tools to analyze complex problems and be able to identify “big picture” views and identify patterns and relationships. The problem must be understood clearly and the perspectives of all

stakeholders with respect to the problem must be considered and accommodated. Students should attain an understanding of the core competencies required for building learning organizations.

Pre-requisite: 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 the efficient algorithm, to translate a developed algorithm into a program using an appropriate programming language, to describe and to evaluate the programming environment (IDE / Editor) and the use of different data types in a program, to elicit user requirement and to present the proposed solutions to a range of audience, to explain the psychology and economics of software testing, to define Error Checklist for Inspections, to explain and to conduct White-Box and Black Box Testing Techniques, to describe Module and Higher-Order Testing Principles, to conduct different types of debugging techniques, to plan the testing of a software component or system, to explain and to analyze latest software testing techniques.

Topics: This course introduces the next level of programming courses, which assume 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 introduction to major software testing topics, including (but not restricted to) higher-order testing, white- and black-box testing, walkthroughs, and code inspections.

Pre-requisite: 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, to use SQL to construct, to secure and access the database, explain and apply formal languages associated with the relational database model, including relational algebra, and relational calculus, to develop a relational database using database design methodology three main phases: conceptual, logical, and physical design, to use formal technique for producing a set of normalized relations that support the data requirements of an enterprise, to explain and to use the advanced SQL programming language in a DBMS environment, to use and to develop a distributed DBMSs along with its transaction management and replication techniques, to explain and to use Data warehouse concepts, such as ETL, Data mart and the dimensional approach, to relate and to implement database managements system in the web technology and mobile environment, to define the discipline and process of data mining and CRISP-DM methodology, to explain and to apply the various data mining techniques, to perform methods of data preprocessing and data reduction, to use Weak to understand, 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 more further courses. This course also covers selected issues related to database such as advanced SQL programming language (SQL/PSM and PL/SQL) , cursor and stored procedure, techniques in transaction management, distributed DBMSs and replication, as well as Datawarehousing concepts. The implementation of web technology and database along with mobile database will also be highlighted. This course also provides 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, one of the leading data mining software, will also be introduced and used to apply the various data mining techniques to solve business problems.

Pre-requisite: 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 to explain the difference between traditional methods of analysis and object oriented analysis, to design a system definition from a business problem and produce a conceptual model using UML, to apply Object Oriented techniques for exploring problem domain, to relate the concept of Problem Domain and Application Domain to object oriented analysis, to describe object -oriented constructs.

Topics: This course is designed to teach students the fundamental concepts of object oriented analysis, modeling and design. The course begins by reviewing the concept of complexity analysis with respect to OO analysis. The object model is considered in detailed elaboration to ensure the student understands how to model the entire object in a communicative way and possibly to program. This also ensures students understand the concept of modeling in an OO environment. The course will also discuss in detail modeling concept, design methodology, and design implementation.

Pre-requisite: None

ISYS6414 – USER EXPERIENCE (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and to explain cognitive and social factors that can make interactive software effective, to interpret user requirements and to apply them to interface design, to explain and to apply key design principles and guidelines that can assist user interface designers, and understand the limitations of such guidelines, to create an effective evaluation method for a particular design project, to identify and to apply appropriate site structure and navigation, to apply techniques of contextual analysis around the present use of technology, to elicit user requirements and to 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) or a Web Interface even a mobile interface. Frequently users are exposed to software programs or web sites where information or functions are not easily identified or located. This directly impacts on the effectiveness of the users achieving their goal and therefore increases user frustration. After learning several design concepts students should be able to identify examples on 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 providing a good user experience.

Pre-requisite: 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 to explain the principles and the importance of integrated information systems, to describe the distinguishing modular characteristics of ERP software, to analyze different business functions that can be integrated in SAP's ERP system, to develop process models of an ERP system, to analyze the key issues in managing an ERP implementation project, to describe the significance of Web Technologies to ERP, explain the different methods of business process analysis, to apply the multitude of analytical tools to model, to analyze, to understand and to design business processes, to perform analysis using analytical queuing methods, to use simulation software to model, to analyze, and to design business processes, to build analytical models for cycle time analysis and capacity decision.

Topics: This course provides an introduction to Enterprise Resource Planning (ERP). Topics covered the fundamental of the ERP environment and its tool. The viewpoint is from an implementation perspective. This course is also about analytical business process model and design including introduction to simulation. The course will approach the business process design from broad, quantitative model perspective. Through this course students will be exposed to various analytical tools that can be used to model, analyze, understand, and ultimately design business processes.

Pre-requisite: Contemporary MIS & Algorithm

ISYS6416 – CLOUD TECHNOLOGY (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to install and to configure operating systems, to configure an IT infrastructure solution for a small organization, to choose the appropriate network infrastructure for an organization, to explain and to assess the role of IT control and service management frameworks in managing a large-scale organizational IT infrastructure solution, to explain networking fundamentals (networking protocol concepts, TCP/IP, domain, addressing), to 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 in-depth understanding of the IT infrastructure capabilities and limitations. It also prepares the students for organizational roles that require interaction with external vendors of IT infrastructure components and solutions. The course focuses strongly on Internet-based solutions, computer and network security, business continuity, and the role of cloud storage infrastructure.

Pre-requisite: 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 to use programming languages in a web oriented environment, to apply data exchange between web pages, to evaluate and to use the data persistence in a web oriented environment, to develop a web application using advanced techniques such as oriented object programming, regular expression and MVC pattern, to explain and to describe the Client-server architecture, to implement packet transmission in an application, by using protocols from the transport and the internet layers, to use wearable technology and sensors in a mobile information system, to elicit user requirements and to 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 oriented web, such as HTML5, CSS3, Javascript and PHP5. Various topics will discussed during this subject, like the basic techniques of these programming languages, the transmission of data between pages with or without forms, the use of a MySQL database with a PHP website, PHP oriented object, the MVC pattern and the regular expression language. This course also deals with the usage of wearable technology and sensors in mobile information systems. Using wearable devices and sensors, the students will learn how to exchange data with them. Distributed mobile applications and information systems (Client-server architecture) will also take a part of this course, by using Java as a programming language. The protocols TCP IP and UDP will be introduced in order to have an application collecting data from sensors and wearable devices.

Pre-requisite: 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, to explain and to apply effective technology in data/information system administration, to explain the benefits and risks of service oriented architecture, to explain and to apply enterprise architecture model to support business strategy, to apply appropriate enterprise architecture approaches and processes for different organizations, to apply appropriate enterprise system interaction with stakeholders, to mastery Service Strategy, Service Design, Service Transition and Service Operation, to create recommendation for Continual Service Improvement, to create the 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, and IT control and management frameworks. In this courses, students will also master IT service and Architecture framework, focus on ITIL Foundation and after they mastery the foundation, students can create recommendation to improve the Service in company as well as create the IT Governance that suits for the latest management needed.

Pre-requisite: Contemporary MIS and Algorithm

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, to identify the basic steps in the accounting processes, to define necessary posting in

specific business transactions, to describe the four financial statements and how they are prepared, to explain the required steps in the accounting cycle, to explain the applications of internal control principles.

Topics: The course provides students with knowledge of fundamental financial accounting and the preparation of financial statements for external decision makers, such as stockholders, suppliers, banks and government agencies.

Prerequisite: 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 trend and current technology in industry, to mastery IT/IS framework, to utilize IT/IS framework to solve professional cases.

Topics: In this course, student will be able to know the latest trend and current technology that will be applied in many corporate in South East Asia and specifically in Indonesian region. Moreover, student will learn how to utilize multiple IT/IS framework that could be implemented to solve case in the professional level. Working close with the industry partners across South East Asia, student will handle and solve professional cases as a consultant.

Pre-requisite: None

ISYS6421 – HUMAN FACTOR 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 style and management technique, apply effective communication and team management skills in project development, and to analyze the human resources issues in project management.

Topics: This course provides the fundamentals of Project Management with emphasis on Human Resource Skills and Managing Project Teams. This course provides analytical approach and appreciation of how Human Resource issues operate in a project environment and how to make a project more effective.

Pre-requisite: 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 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, apply the ISM concepts to propose alternative solutions for an ISM problem.

Topics: This course will introduce the fundamentals of Information Technology components and their major roles in business. This course is designed to give you a multi-faceted appreciation of how business-computing systems in a world of electronic commerce are designed, built, implemented, and maintained.

Pre-requisite: 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 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 assurance to users as well as management that the expected level of service will be delivered. Students will gain an understanding on how to provide assurance that IT service management practices will ensure the delivery of the level of services required to meet the organizations objectives. Topics covered include general IS operations as well as IS network infrastructures and technologies.

Pre-requisite: None

ISYS6420 – INDUSTRY EXPERIENCE I (8 SCU)

Learning outcome: Upon completion of the course students are expected to be able to implement their knowledge in the real world of their chosen industry; leverage their skill by observing professional staff or participating in a training to the specific domain of task; gain an understanding of the Information Systems process through observation, conducting informational interviews of staff in the related department and documenting their learning through written daily reports, photos, and examples.

Topics: This course gives opportunity to the students implementing their knowledge and skill in 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 skill and create report on their activities.

Pre-requisite: None

ISYS6423 – INDUSTRY EXPERIENCE II (8 SCU)

Learning outcome: Upon completion of the course students are expected to be able to implement their knowledge in the real world of their chosen industry; leverage their skill by observing professional staff or participating in a training to the specific domain of task; gain an understanding of the Information Systems process through observation, conducting informational interviews of staff in the related department and documenting their learning through written daily reports, photos, and examples.

Topics: This course gives opportunity to the students implementing their knowledge and skill in 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 skill and create report on their activities.

Pre-requisite: None

RSCH6075 – FORMULATING 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 specific aspect, considering point of view, focusing on time period, location, culture and other aspects of research, developing thesis questions and statement, testing the topics or ideas, revise and refine, and synthesize the information.

Topics: This course gives the opportunity for the students to implement their skill of selecting, refining and developing a topic. Student needs to focus on the strategies to find relevant and appropriate information. Student will have the opportunity to understand the assignment, the purpose, and implement the development of requirements, plan for sufficient research, thinking, and writing time.

Pre-requisite: None

RSCH6076 – RESEARCH TOOLS AND APPLICATIONS I (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 the opportunity for the quantitative students to apply and use appropriate research tools at the level of data preparation, inspecting variable types, specifying missing values, inspect cases and implementing standardized syntax of the tools to their research project. On the other hand, application development students will have the opportunity to inspect their choice of programming language and platforms and implementing them to the research case/ problem.

Pre-requisite: None

RSCH6077 – EVALUATING RESEARCH RESOURCES (4 SCU)

Learning outcomes: Upon completion of the course students are expected to be able to critically evaluate research resource especially from the Internet, able to determine accuracy and credibility, able to evaluate coverage, currency and relevancy, and to carry out objectivity or bias of a source.

Topics: This course gives the opportunity for the students to evaluate research resources using the parameters of authority, accuracy, objectivity, currency and coverage.

Pre-requisite: None

RSCH6078 – RESEARCH TOOLS AND APPLICATIONS II (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 the advance phase, or to fully implement their choice of programming language and platform to build and implement their solution.

Topics: This course gives the opportunity for the quantitative students to apply and use appropriate research tools at the level of data transformation, conditional, reliability, analysis of variance, chi-square test of independence to their research project. On the other hand, application development students will have the opportunity to inspect their choice of programming language and platforms and implementing them to the research case/ problem on the level of testing and deployment.

Pre-requisite: None

4.7.8 Business Management and Marketing

MGMT6250 – MARKETING MANAGEMENT I (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 plan, to acquire a good understanding of value creation process, marketing ethic and marketing research.

Topics : This course is intended to be the first gateway to the world of marketing. It provides fundamental theories, concepts and techniques in the science of marketing and gives students the foundation of what marketing is all about.

Pre-requisite: None

MGMT6251 – MARKETING MANAGEMENT II (2 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to acquire a good understanding of business market place and value delivery in marketing. The students will also acquire good comprehension of integrated marketing communication, global marketing and marketing ethics. Students are expected to develop marketing strategies and marketing plans.

Topics: This is subsequence course of marketing management that gives students more opportunity to apply the marketing concepts into marketing plans.

Pre-requisite: Marketing Management I

MKTG6088 – CONSUMER BEHAVIOR (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able 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 ethics responsibility in building customer relationship.

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 a marketing strategies, starting from the development of new products, segmentation, product launching, brand management, and ultimately managing the customer's experience.

Pre-requisites: Marketing Management I

MKTG6183 – BUSINESS TO BUSINESS MARKETING AND SALES MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze Business to Business (B2B) market environment, discriminate specific B2B market situation, and utilize the information to create a marketing plan that will ultimately lead to a winning business plan ; plan, execute, control and audit a marketing plan pertaining to B2B nature : demonstrate a good standard of business ethics and professionalism required in business. In addition, students , students are also expected to understand the concepts of conducting sales in B2B environment, establishing sales relationships with current and potential customers, and managing sales force.

Topics : The course introduces students to the basic grounding of industrial or business-to-business marketing and sales and how it influences decisions in business as a whole.

Pre-requisites: Marketing Management I; Marketing Management II

MGMT6120 – PRODUCT AND BRAND MANAGEMENT (4 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to explain basic concept 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 I; Marketing Management II

MKTG6094 – PRICING MANAGEMENT & STRATEGY (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze 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 & demand schedule, estimating costs, examining competition, and at the end selecting the final price.

Pre-requisites: Marketing Management I; Marketing Management II

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 skill 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 non product marketing base.

Pre-requisites : Marketing Management I; Marketing Management II

RSCH6020 – RESEARCH METHOD 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, recommend the most appropriate Marketing Research that should be undertaken, design Marketing Research, gather and analyzed quantitative data, and make accountable decisions based on those data

Pre-requisites : Mathematics and Statistics for Business

MKTG6182 – DIGITAL CAMPAIGN & PROMOTION MANAGEMENT (3 SCU)

Learning Outcomes: Upon the completion of this course, student will have the knowledge in managing digital campaign projects, as well as gain the skill to develop creative works online – what are 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 & 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 I

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 a fundamental concept on 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 – understand the inter-play between media planning and discipline planning.

Pre-requisites: Marketing Management I

MKTG6091 – INTERNATIONAL MARKETING (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze the international business and market environment, discriminate specific market situation, and utilize the information to create a winning plan suited for international marketing programs; communicate the marketing programs to different types of market, by accommodating the intercultural differences faced by international marketing practices.

Topics: The course provides a thorough coverage of the International Marketing subject with an emphasis on the planning and strategic problems confronting the cross cultural market boundaries. It exposes students to the more challenging sides of marketing across market while considering the differences in history, geography, politics, economy, legal and cultural environments that lead to a different market demand and marketing strategies.

Pre-requisite: Marketing Management I

Co-requisite: Consumer Behavior

MKTG6189 – MARKETING CHANNELS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze distribution system in an industry and utilize it 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 on how a firm distributes its product to the market, especially within the retail industry. The course also provides insights on the latest development and dynamics in distribution and channel management.

Pre-requisites: Marketing Management I; Marketing Management II; Introduction to Management and Business

MKTG6089 – CONTEMPORARY ISSUES IN MARKETING (2 SCU)

Learning outcomes: Upon successful completion of this course, students will be able to conceptualise and formulate strategic uses of contemporary marketing practices. Students will be able to examine the key issues and challenges facing the marketer in contemporary marketing and to explain how contemporary marketing practice is emerging, being managed, its major opportunities, limitations, issues and risks.

Topics: this course introduces students to the current topics in Marketing. Through a series of lectures, reading and discussion, students will study the key issues and challenge of the contemporary and future marketing cult. It enables student to broaden their knowledge and enhance the critical thinking of the current and future marketing trends.

Pre-requisite: Marketing Management I

Co-requisites: Consumer Behavior, Product and Brand Management, Services Marketing

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 I; Marketing Management II

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 I; Marketing Management II

4.7.9 International Business

MGMT6011 – INTRODUCTION TO MANAGEMENT & 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 form, explain relevant knowledge and information of local, national and global business context.

Topics: This course covers a broad perspective on management theories and their application in the business, public and voluntary sectors. It provides a foundation to explore issues expanded in the other courses offered within the International Business program. It is an introductory course to business management that defines the different areas of management, which are strategic management, operations management, decision making, culture, human resources, and organizational behavior.

Pre-requisite: None

BUSS6090 – INTERNATIONAL BUSINESS II (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Identify and explain the theories, policies and actors in international business environment, explain the influence of cultural, political and economic factors in international business, explain and apply international business management principles in international market and business environment, identify and explain the strategy to encounter risks, challenges and opportunities in international business, identify and explain key issues in international business operations, explain and apply the ethics and social responsibility in international business.

Topics: This course is an introduction of globalization. This course aims to build understanding on the economic, political, and legal environment of international business and how firms must adapt their strategies and operations as they internationalize. Risks, challenges and opportunities in international business will be discussed here. This course is an introduction of globalization. This course aims to build understanding on the economic, political, and legal environment of international business and how firms must adapt their strategies and operations as they internationalize. Risks, challenges and opportunities in international business will be discussed here.

Pre-requisite : International Business I

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 to organizations' need.

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-requisite : Introduction to Management & Business

BUSS6029 – BUSINESS IN INDONESIA (2 SCU)

Learning Outcomes: By the end of the course, students must be able to: Analyze the influential factors that shape Indonesia Business Environment; Analyze Indonesia business potential and its environment ; Analyze the opportunity and challenge of doing business in Indonesia.

Topics: The course will give to students an overview of Indonesian business atmosphere and its potential which is influenced by domestic and global environments. Through several assignments and activities students will have the opportunity to discover and learn the existing and potential businesses and markets as well as the dynamics of doing business in Indonesia.

Pre-requisite: None

MGMT6248 – CROSS CULTURAL AND ORGANISATION MANAGEMENT (6 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to: Identify and explain the different international cultural values and norms, Describe the influence of culture on attitudes and behavior, identify and apply strategies for managing cultural differences productively and positively, explain the impact of cultural differences on management in international firms, apply management strategies to reduce negative impacts of cultural differences, identify cultural differences and apply effective verbal communication responding to cultural context and expectations. In line with the above description, the course develops students ability to work with and manage people in organizational setting by having insights to human behavior in organizational setting.

Topics : This course is an introduction to Managing across Cultures: the threats and opportunities, the problems and possibilities. This course aims to experience and enjoy the richness of cultural differences and to improve effectiveness in an organization setting. One part of this course will explain students about the cultural differences when the other part will show students how to apply the multicultural concept in a social and professional environment. Students are also introduced to recognize individual differences in self, motivation, culture and leadership. Finally students will learn how to develop international managers but also how to help teams and organizations to navigate better in global waters.

Pre-requisite: Introduction to Management and Business

RSCH6065 – RESEARCH METHODOLOGY I (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Identify and explain research problem in International Business, apply critical thinking in analyzing research problem, apply appropriate approaches and techniques in designing research project, apply appropriate data analysis software in 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 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 research process, thus preparing them to start their own research activities in international business context. Topics covered in this course will equip students to conduct the following: problem identification, critically review the literature, selection of research designs, data collection and data analysis, and research report writing and presenting.

Pre-requisite: 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 project on small scale.

Topics: This course equips 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 a group-work on research proposal by the end of the course.

Pre-requisite: Research Methodology I

BUSS6192 – BUSINESS COMMUNICATION (4 SCU)

Learning Outcomes: The introductory course is aimed at imparting and equipping students with appropriate skills to effectively communicate through appropriate written and verbal formats with wide range of audience in today's dynamic changing business and social scenario. The teaching and learning approach is participative and intently engaging deals with essential elements of responsible Business Communication process to resolve modern day decision making

Topics: Students will learn building blocks of effective business communication, communication process, basic business messages, while having a mock interview session, CV writing exercise and presentation to managers.

Pre-requisite: None

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 to design export import strategy.

Topics: This course covers detail of techniques and procedures in carrying export import transactions successfully. Documentation and requirements of export import will be also examined for Indonesia and other regions. On completion of this course, students will able to understand the fundamental of export import as well as the environment encouraging Export import business.

Pre-requisite : International Business I

BUSS6024 – BUSINESS IN ASEAN (4 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: analyze market and business environment in ASEAN region; demonstrate a critical and creative thinking in understanding the cross-culture and cross-border social issues for solving business problems in ASEAN region environment.

Topics: This course covers the most important steps of the creation and development of ASEAN. The students will gain a full overview of the political, social and economic history of ASEAN countries and their role in ASEAN development. The course will provide cases and examples of International companies and investors' success in ASEAN and some examples of ASEAN companies' globalization. This course will offer the students an understanding of the potential and the importance of ASEAN market in an international competitive market.

Pre-requisite: International Business I

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 ASEAN region; display effective team-working skills in multi-disciplinary and multi-culture environment in ASEAN region; display leadership and management skills in multicultural working environment related to ASEAN countries' culture.

Topics: This course provides essential information on history of the different countries of ASEAN. It exposes in-depth, knowledge on attitudes, beliefs and behaviour in different countries of ASEAN. Students will receive awareness of basic manners, common courtesies, and sensitive issues. They will learn what to expect, how to behave, feel confident in unfamiliar situations, and develop trust, friendships, and successful business relationships in ASEAN.

Pre-requisite: None

BUSS6026 – CONTEMPORARY ISSUES IN ASEAN (4 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 ASEAN region; analyze ASEAN market and business environment in international competitive context; apply comprehensive competitive strategy approach along with knowledge in information technology usage to business decision-making in ASEAN region; demonstrate an understanding of a holistic view of how to compete in business within ASEAN region.

Topics: This course provides in two parts competitive strategy understanding emphasized on 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 sustainable competitive advantage.

Pre-requisite : Business in ASEAN; Southeast Asian Culture

4.7.10 General Studies (GS)

ENGL6171 – ACADEMIC ENGLISH I (3 SCU) + 1 HOUR WORKSHOP

Learning Outcomes : Upon successful completion of the course, students are expected to be able to: organize ideas and write paragraphs, reports, and essays of varied genres/rhetorical styles; apply the conventions of APA referencing in their writing, and quote, paraphrase/summarize texts correctly; apply reading skills such as skimming and scanning to look for main and subordinate ideas of assigned texts, and evaluate reading texts critically; create, conduct and present the findings of a survey, create and give academic/professional presentations and participate in class discussions actively; apply grammatical rules, correct usage and style, and use a wide range of academic and general vocabulary in writing and other contexts.

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 logical division of ideas and comparison-contrast. The course also focuses on the production and performance of professional outputs in the form of MS Power Point 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 heavily emphasizes other academic skills such as critical thinking, paraphrasing, quoting, summarizing, and referencing. The Academic Word List (AWL) is taught within reading texts to enhance understanding and use of the words as well as through word lists and lexical research websites.

Pre-requisite: TOEFL 550 AND TWE 4.0 OR a minimum C pass in Pre-Academic English

CHAR6013 – CHARACTER BUILDING: PANCASILA (2 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to: Describe themselves, including their mental process, character and behavior; Identify their potentials and ways to optimize their talents; Define their role as an individual and as part of the community, along with their rights and obligations; Identifying coping mechanisms and resilience when they encounter problems/stressors

Topics : This course delivers the first theme of the four character building themes that are required to be taken by every student in Bina Nusantara. The theme is "Relation with One-self". This course is designed as an integral part with the effort to develop the Binusian Smart and Good character. The course discusses issues such as self acceptance, self development, and self integrity.

Pre-requisite: None

ENGL6172 – ACADEMIC ENGLISH II (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 ideas and build connections between ideas using appropriate transitions and conjunctions; produce academic style in writing different types of essays and evaluate internet sources; produce output that exhibits integration of reading and writing; speak confidently; question intelligently and critically; confidently engage in academic debate; create and give an academic/professional presentation; confidently and effectively paraphrase and summarize sources without plagiarizing and properly cite and reference sources.

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 higher 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 argumentative and solution-problem essays (SPSE) as well as a final research report. The course also focuses on the production and performance of professional outputs in the form of MS Power Point presentations in relation to students' current studies, as well as opportunities to engage in academic debate. Language skills are provided by a workshop series in grammar, syntax and academic lexis acquisition. Emphasis is placed on developing the student's AWL (Academic Word List). The software E-rater is provided throughout the course to assist students gain their English learning and writing independence. The course also insists upon identifying and avoiding plagiarism by referencing correctly and by the use of Turnitin anti-plagiarism software.

Pre-requisite : A minimum C pass in Academic English I

CHAR6014 – CHARACTER BUILDING: KEWARGANEGARAAN (2 SCU)

Learning Outcomes :Upon successful completion of this course, students are expected to be able to: Explain social pluralism and social integrity including distinguishing the differences between many different cultures in a society; Identify and describe the important role of each individual, family and friends, and the environment and their contributions in the development of the nation & country; Create and execute a social movement plan aiming to increase social awareness and help others.

Topics :This course delivers one of the four character building themes that are required to be taken by every student in Bina Nusantara. The theme is “Relation with Others”. To enable students to treat other people well or better, meaning treating them normally, logically and according to the norms and values held in the society. These objectives are supported by (1) Social Environment : to identify and understand the different kinds of culture in a country and between other countries, the different ways in which the students will be able to realize the importance of being a member of a society and the role played by each individual, including the contributions that they can make to their nation and country. (2) Social Interactions : to empower their communication skills in differentiating the different types of communication; how to build up their communication skills by eliminating prejudices and conflicts that may occur in every relationship and respecting the norms and values of other people from different culture in order to build up good relationship with others which lead to everlasting friendship. (3) Social Attitude and Behaviour : to build up the mutual respect and appreciation towards others by being honest and open, respecting others’ beliefs, having great social concern and being just in their actions.

Pre-requisite : Character Building: Kewarganegaraan

CHAR6015 – CHARACTER BUILDING: AGAMA (2 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to:Describe their preferred way to relate with God; Interpret and explain two types of relationships with God –vertical and horizontal.

Topics :This course is one of our series of building character especially for the young academia. This course will provide the way to sharpen students’ ability to know deeper about who rules their world and how they have to respect their creator. It is certainly impossible to know God by our ratio, but through this course, the students will learn how to know their God through other means, not by their logic but by their heart.

Pre-requisite : Character Building: Pancasila

MGMT6101 – FINAL PROJECT (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to demonstrate an effective implementation of prior knowledge and technical capabilities in problem-solving and the use of technologies applicable to the area of chosen final project ; demonstrate an effective implementation of comprehensive research methodology ; demonstrate an understanding of professional, ethical and social responsibilities on the project work, including working effectively in a team to accomplish a common goal if it is a group work; demonstrate effective verbal and written communication skills.

Topics :This course expands on previous knowledge and skills acquired throughout the years and offers students the opportunity to work on a major self-initiated individual or group project. It emphasizes research and analysis as well as processes that lead to creative conceptualization and final project 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. An

academic supervisor will be assigned to provide academic guidance to each student/group of students in developing their project work and the report writing. The student/group must present the project proposal in front of an academic panel for monitoring and feedback purposes within a month from the starting of the course, and then present the final project work in front of the same academic panel at the end of the course, as well as submit the written report.

Pre-requisite: As determined by each corresponding Program/School

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 CULTURE (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

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

4.8 Student Activities

The students of BINUS INTERNATIONAL successfully set up the BINUS INTERNATIONAL Student Committee on 20 February 2002. Its vision is to act as a representative of BINUS INTERNATIONAL students to ensure that the students of BINUS INTERNATIONAL are given the balanced rights and obligations formulated between students and BINUS 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 INTERNATIONAL to the general public.

Since its establishment, the BINUS INTERNATIONAL Student Committee has represented students in delivering their aspirations, and managing and supervising BINUS 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 INTERNATIONAL 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)

5. Graduate Program in Management (BINUS BUSINESS SCHOOL)

Vision

To be a reputable business school in ASEAN with high commitment to education excellence.

Mission

- Develop professionals and entrepreneurs with innovative leadership, global mindset, and ethical foundation
- Advance knowledge with relevance to industry
- Contribute to community through dissemination of business knowledge

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 contribution from every individual
- **Innovation**
We encourage creative, breakthrough, 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

5.1 Introduction and Disclaimer

Program Objectives

The objectives of the graduate business programs are:

1. To prepare world-class business professionals and entrepreneurs with ability to implement the integrated management approach for local & global organizations to promote sustainable growth
2. To enable professionals and entrepreneurs to advance knowledge with relevance to industry by leveraging research and ICT
3. To prepare professionals and entrepreneurs to drive & manage continuous organizational changes through effective communication strategy & people management

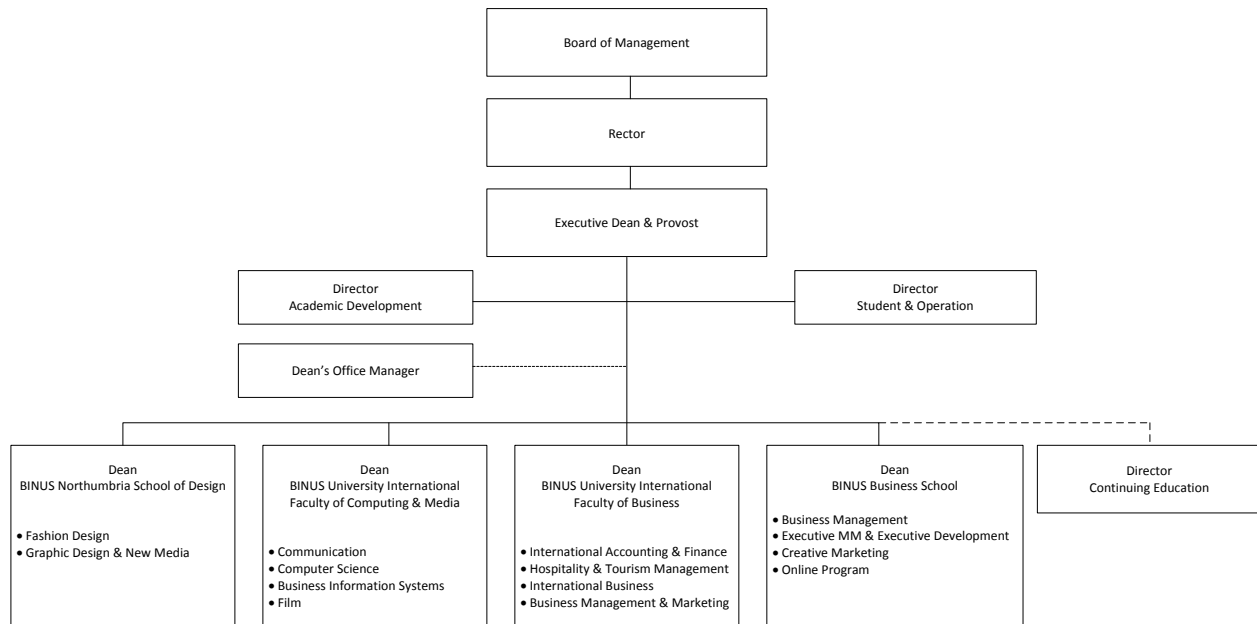
4. To prepare professionals and entrepreneurs to be able to demonstrate effective personal, social, & ethical professional attributes & develop related system & environment in their respective organizations and community
5. To prepare professionals and entrepreneurs with discipline, habits, & state of mind of innovation & able to create systems & environment that nurture both breakthrough & incremental innovation

Student Outcomes

Upon successful completion of this program, students are expected to be able to:

1. Make organizational decisions primarily based on research
2. Create a framework for generating innovative breakthroughs through research in the field of management
3. Apply a multidisciplinary approach in managing local and global organizations in an effort to support sustainable growth
4. Perform effective communication in managing organizational resources within the scope of internal and external
5. Conduct monitoring, evaluation, control, and present feedback on the achievement of the organization's performance
6. Develop knowledge in management field through mastery of conceptual framework and research methods
7. Develop planning process through multidisciplinary approach that covers analysis of resources and external situation, in formulating organizational strategy (both business and non-business)
8. Master the development of organizational structure and working procedures to create value and improve organization's performance to achieve organizational goals and objectives
9. Master the strategy implementation that includes policies, programs, budgets, and procedures in order to achieve organizational goals
10. Master the process of monitoring, evaluation, and control of the performance of the organization as a basis for the future formulation of organizational strategy
11. Identify and analyze market and industry using marketing conceptual framework
12. Create and implement effective management strategies in managing organizational resources and utilization of ICT which covers multiple industry and entrepreneurship
13. Analyze and make decision over investment that creates value and contributes to the improvement of the company performance
14. Implement and compare financial analysis tool in resolving issues / cases of financial and organizations investment
15. Develop framework based on the principles of marketing and marketing strategy to produce innovative solutions, as a source of sustainable competitive advantage
16. Hold effective leadership character with social sensitivity, and ethical values to achieve the organization
17. Contribute to producing innovative value and responsible to deliver it to the users, organizers, and community stakeholders

BINUS BUSINESS SCHOOL Organizational Structure



Historically, BINUS BUSINESS SCHOOL (BBS) opened its doors in 1993; and since then has undergone several transformations. When started, the driving factor in establishing the school 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 BBS graduates will have received cutting-edge management knowledge and competencies to improve and enhance the value of a corporation. The programs offered by BBS lead to Magister Manajemen (MM) degrees, and has received an 'A' accreditation from National Accreditation Body in 2011.

Currently, there are several programs offered within this business school, which can be roughly divided into 4 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 Online 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, BBS has developed and written case studies using local Indonesian companies as subjects. The case studies described business dilemmas in Indonesian setting, and has been proven to be a very useful learning tools in class. The BBS Case Centre has written over 100 cases, and has been awarded a MURI award for writing the most case studies in 3 years.

This catalog aims to help you make an informed decision about your study. We make every effort to ensure that programs and courses are offered as described, and that any unpublished changes enhance your 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.

5.2 BINUS BUSINESS SCHOOL Teaching and Learning Process

5.2.1 Education System

BBS has an integrated multidisciplinary curriculum which is benchmarked to related industries and to the best leading international schools. The BBS Faculty takes pride in having qualified and experienced leading practitioners on board. BBS has worked to build strong relationship with various local and international companies.

BBS utilizes active engagement, discussion-oriented courses, interactive learning (such as case studies and group presentations), and exposure to real-world problems such as the CEO & CFO Speaks programs, with guest speakers, book reviews, and seminars. Our Membership at EFMD (European Foundation of Management Development). EFMD is one of the key business schools networks in the world and being part of the network will bring many opportunities for faculty & student exchanges, knowledge sharing and collaboration.

BBS maintains modern building and custom-designed for graduate programs, including convenient location in the elite location, right in the heart of Senayan business district, free internet access in every classroom, corridor and computer laboratory during campus operation hours, comfortable and state-of-the art classrooms with adjustable illumination, whiteboards, projectors, and air conditioning, free parking with security personnel, library and Learning Center with various collections, online library access, WAP, online journals (Proquest, Emerald, JSTOR), CD-ROM Service, and lockers.

5.2.2 Method of Education Delivery

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 40 SCU.

5.2.3 Evaluation System**Examinations**

Examinations, which are conducted by BINUS BUSINESS SCHOOL, 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:

1. statements of all assessment items, including due dates;
2. 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.

Grading 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:

Grade	Weight	Score	Grade Description BBS
A	4	90 – 100	Student has completed all requirements of the course work outstandingly and exceptional additional work at the highest standard.
			Student has demonstrated an outstanding level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes and achieved all of these learning outcomes at the highest level.
A-	3.7	80 – 89	Student has completed all requirements of the course work and significant additional work to a high quality.
			Student has demonstrated a significant level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes and achieved all of these learning outcomes well.
B+	3.3	70 – 79	Student has completed all requirements of the course work and considerable additional work at a good standard.
			Student has demonstrated a good level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes and achieved almost all of these learning outcomes well.
B	3	65 – 69	Student has completed all requirements of the course work and considerable additional work at an average standard.
			Student has demonstrated a sufficient level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes.
B-	2.67	60 – 64	Student has completed all requirements of the course work and considerable additional work at an average standard.
			Student has demonstrated an adequate level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes.
C+	2.33	55 – 59	Student has completed all requirements of the course work and demonstrated a satisfactory level of knowledge/ understanding/ competencies/skills as specified in the learning outcomes.
C	2	50 – 54	Student has completed the minimum requirements of the course work and demonstrated a minimum level of knowledge/ understanding/competencies/skills required to meet the specified learning outcomes.
D	1	0 – 49	Student is unable to demonstrate the completion of the minimum requirements of the course work and the attainment of a minimum level of knowledge/ understanding/competencies/skills required to meet the specified learning outcomes.

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. All courses must be passed with a minimum grade C.

5.3 MM Young Professional

BINUS BUSINESS SCHOOL (BBS) has two MM Young Professional Programs as explained below :

5.3.1. MM Young Professional Business Management

Description

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 completion, the graduates are expected to have earned 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 MM degree (in Business Management) at BINUS Business School, 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 assignment and presentation, are designed to enhance the students' capability in problem identification and analysis, understand strategic alternative and exchanges of ideas. Students are learning theories, concept and best practice from faculty staffs who have strong academic and 15 years business experience in average. 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 lecturer, 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.

The innovation habit will be developed through course assessment that put weight on content comprehension and innovation. The innovation thinking, or commonly referred to 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 would be required to write a thesis, case study or group field project that would assess 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 opportunity for students after their successful completion 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 build their competencies to face the industry challenge.

Program Structure

MM Young Professional consists of following courses:

Course Code	Course Title	SCU
FINC8059	Financial Fundamental	3
MKTG8073	Marketing Fundamental	3
BUS8022	Ethics & Social Awareness	3
ACCT8144	Accounting for Manager	3
STAT8097	Business Statistics	3
RSCH8012	Research Methods	3
MGMT8086	Leadership & Organizational Behavior	3
MGMT8089	Strategic Management in Business	3
COMM8158	Business Communications & Interpersonal Skills	3
ENTR8034	Design Thinking and Entrepreneurship	3
ISYS8241	Information Systems Management	3
MGMT8090	Operations Fundamental	3
MGMT8088	Thesis	6
	Total Credits	42

5.3.2. MM Young Professional Creative Marketing**Description**

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 decides to pursue career in the marketing related areas. The program provides knowledge and skills in innovation, creative approach to problem solving, and cultivating entrepreneurial spirit by leveraging the development of ICT that equip the students should they decide to launch their own businesses or become intrapreneurs in established firms.

BINUS BUSINESS SCHOOL faculty brings real-world professional and consulting experience in the area of creative industries, multimedia, and information communication technology to the classroom. The faculty is consistently imparting and sharing the wisdom of their experiences to the participants. They integrate mixed teaching methodologies including, but not limited to, lectures, case studies, discussions, class presentations, summaries, and field projects.

Award/Degree

- MM Degree from BINUS University

Study Completion Requirements

To complete MM degree (in Creative Marketing) at BINUS Business School, 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 project assignment and presentation, are designed to enhance the students' capability in applying comprehensive marketing approaches in decision making process and to sharpen their critical and creative problem solving skills.

The innovation habit will be developed through course assessment that put weight on content comprehension and innovation. The innovation thinking, or commonly referred to Design Thinking on the other hand. 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.

Moreover, additional events such as 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 would be required to write a project that would assess students' comprehensive understanding of marketing concepts learnt in the program.

Employability and Career Support

A wide range of career opportunities in marketing area such as market analyst, brand manager, product development manager, advertising manager as well as entrepreneur would be available in the market for students after completing the eighteen months of study program. The integrated curriculum is designed, developed and prepared to support students in building on their technical and non-technical marketing skills as well as engaging with the related industry.

MM Creative Marketing consists of following courses:

Course Code	Course Title	SCU
FINC8059	Financial Fundamental	3
MKTG8073	Marketing Fundamental	3
RSCH8012	Research Methods	3
MKTG8074	Consumer Behavior	3
ENTR8034	Design Thinking and Entrepreneurship	3
BUSS8022	Ethics & Social Awareness	3
MGMT8086	Leadership & Organizational Behavior	3
MGMT8089	Strategic Management in Business	3
MKTG8075	New Product Development & Channel Management	3
COMM8159	Creative Marketing Communication	3
MKTG8076	Branding & Value Creation	3

Course Code	Course Title	SCU
MKTG8077	Digital Marketing & Multimedia	3
MGMT8088	Thesis	6
	Total Credits	42

5.4 MM Professional

BINUS BUSINESS SCHOOL (BBS) has two MM Professional Programs as explained below.

5.4.1 MM Business Management

Description

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 44-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. The classroom interaction will also encourage intellectual challenge and exploration.

Award/Degree

- MM Degree from BINUS University

Study Completion Requirements

To complete MM degree (in Business Management) at BINUS Business School, 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 assignment and presentation; are designed to enhance the students' capability in problem identification and analysis, develop strategic recommendation and exchanges of ideas. Students are learning theories, concept and best practice from faculty members with strong academic background and 15 years business experience in average. This learning process will provide students with good understanding of the broad overview of the industry. 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 enrich students with new perspectives on how to relate theoretical foundations they learned with current business practices, and the corporate challenges they face.

The innovation habit will be developed through course assessment that put weight on content comprehension and innovation. The innovation thinking, or commonly referred to 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 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 full 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 build their competencies to face the industry challenge. An internship program with several national and multinational firms are also available for the students to participate with support from our Students and Alumni Relations office.

Program Structure

MM Business Management consists of subjects covering various business functions, IT and soft-skills related, and consolidating capstone courses as follows:

Course Code	Course Title	SCU
FINC8052	Corporate Finance	3
MKTG8072	Marketing Management	3
BUSS8020	Business Ethics	3
ACCT8144	Accounting for Manager	3
ISYS8240	Information Technology for Management	3

Course Code	Course Title	SCU
ENGL8196	Academic English for Professional	2
RSCH8012	Research Methods	3
MGMT8086	Leadership & Organizational Behavior	3
BUSS8021	Corporate & Business Strategy	3
COMM8158	Business Communications & Interpersonal Skills	3
MGMT8207	Management Consulting Field Project	3
ECON8020	Managerial Economics	3
MGMT8087	Operations & Supply Chain Management	3
MGMT8088	Thesis	6
	Total Credits	44

5.5. MM Business Management Online

Description

The MM Business Management Online is a Master of Management (MM) program designed for fresh graduates (Strata-1 or equivalent) and professionals that highly mobile with heavy workload, in which they were constrained with the location of 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 limitation in terms of location to enrich their education background and unflexible working hours. 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 Business Management Online 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 completion, the graduates are expected to have earned 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 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 University

Study Completion Requirements

To complete MM degree (in Business Management) at BINUS Business School, 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, online and in-class exercises, simulation, group project assignment and presentation, are designed to enhance the students' capability in problem identification and analysis, understand strategic alternative and exchanges of ideas. Students are learning theories, concept and best practice from faculty staffs who have strong academic and 15 years business experience in average. 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 lecturer, 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.

The innovation habit will be developed through course assessment that put weight on content comprehension and innovation. The innovation thinking, or commonly referred 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 would be required to write a thesis, case study or group field project that would assess 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 opportunity for students after their successful completion 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 build their competencies to face the industry challenge.

Program Structure

MM Business Management Online consists of following courses:

Course Code	Course Title	SCU
RSCH8012	Research Methods	3
STAT8097	Business Statistics	3
ACCT8144	Accounting for Manager	3
MKTG8073	Marketing Fundamental	3
BUSS8022	Ethics & Social Awareness	3
FINC8059	Financial Fundamental	3
MGMT8086	Leadership & Organizational Behavior	3
MGMT8089	Strategic Management in Business	3
ENTR 8034	Design Thinking-Entrepreneurship	3
ISYS8241	Information System for Management	3
MGMT8090	Operations Fundamental	3
COMM8158	Business Communications & Interpersonal Skills	3
MGMT8163	Thesis Proposal	0
MGMT8088	Thesis	6
	Total Credits	42

5.6 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 trilogy 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 required for business activities, and ‘being’ is about the developing of personal purpose or identity that relates to the role and responsibilities of business leader.

In this program, students are coached by renowned hybrid faculty—academicians 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 disruptive innovation and how to strategize business in internet of everything

platform. The other main differentiator of this program is the focus on a growth-oriented leader's innovation and thinking development. The habit of innovation will be developed through course assessment that puts weight on 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 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 truly realistic and forward-thinking.

Award/Degree

- Magister Manajemen from BINUS University, which by content is equal to 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, simulation, group project assignment and presentation for problem identification and analysis, develop strategic recommendation and exchanges of ideas.

A set of soft skills matriculation courses is designed to ensure the student has capability to think strategically and present the 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 perspective on how to relate theoretical 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 the current business issues such as business startups, and raising capital and resource management.

At the end of program, students would be required to write a group final project that would asses students' comprehensive understanding of business management concepts and innovation learnt in the program. Having English as formal language of instruction and providing international curriculum, the program is expected to ensure that our graduates are ready to enter the international workplaces.

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 hopefully be able to 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

Mandatory Courses

Course Code	Course Title	SCU
MGMT8091	Matriculation	0
FINC8052	Corporate Finance	3
MGMT8032	Strategic Marketing Management	3
RSCH8060	Business Research	3
ACCT8001	Accounting for Executives	2
ECON8002	Micro Economics of Competitiveness	2
DSGN8001	Design Thinking and Business Innovation	3
MGMT8018	Operations & Supply Chain Management	3
BUSS8004	Executing Business Strategy	3
BUSS8005	Corporate Governance and Ethics	3
MGMT8033	Strategic Human Capital and Change Management	3
MGMT8034	Leading in Global Environment	2
ENTR8005	Startups and Corporate Entrepreneurship	2
BUSS8006	Agile and Disruptive Business Strategy	3
MGMT8035	Group Field Project	6
	Total Credits	40

5.7 Study Requirements

A. 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.

B. 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. 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-).

C. TOEFL

MM Young Professional	MM Professional	MM Executive
≥ 475	≥ 500	≥ 500

The minimum TOEFL level required to be admitted into the three programmes are 475, 500 and 500 for MM Young Professional, MM Professional and MM Executive respectively.

5.8 Course Descriptions**5.8.1 MM Young Professional – Business Management****FINC8059 - FINANCIAL FUNDAMENTAL (3 SCU)**

Learning Outcomes: Upon successful completion of this course, students are expected to be able to interpret and prepare financial statement and reporting using appropriate approaches; to choose appropriate financial analysis tools in a given business situation for decision-making processes; to identify and use effective applications of IT in calculating bonds, optimal portfolio selections, options and leasing; to 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 a special attention on creating wealth. In general, there are three groups of financial decisions: investment, financing, and dividend decisions. Investment decisions involve allocation of scarce resources across competing uses. Financing decisions involve raising funds to finance the investment projects. Dividend decisions involve reinvesting cash back to the business or returning cash to shareholders

RSCH8012 - RESEARCH METHODS (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; Design and execute research project in business/ management fields.

Topics: This course is designed in order to develop students' knowledge and skill in research process, thus preparing them to start their own research activities especially in the context of preparing them for 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 and presenting

STAT8097 - BUSINESS STATISTICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to describe the uses, capabilities and limitations of various statistical procedures; Apply appropriate descriptive statistics to present and summarize data into useful information; Apply appropriate statistical inference methods to solve a business problem; and Conduct a thorough statistical analysis and utilize the interpretation in making business decision; Utilize statistical software in analysing data

Topics: Business Statistics is the science of good decision making in the face of uncertainty and is used in many business management areas such as marketing, finance, production and operations including services improvement. The course provides knowledge and skills to interpret and use statistical techniques in a variety of business applications. The course will emphasize the relevance of statistics, encourage the students to be familiar with the software used in business world, and provide ample practice in order to understand how statistics is used in business.

BUSS8022 - ETHICS & SOCIAL AWARENESS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to asses different theories of ethics and analyse their implication to global and local business, especially to its manager and leaders; analyse 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; design CSR/CSV project that are both innovative and promote sustainability.

Topics: Ethics and social awareness has become more and more important for business practitioners these days. It governs the ways in which businesspeople define what is right and how to do the right things. This course will help students to understand various ethical theories and approaches in business. Students will also introduce to various novel approaches in developing sustainable business.

MGMT8086 - LEADERSHIP & ORGANIZATIONAL BEHAVIOR (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to explain and analyze the main concept of people's and organization's behaviors and relate them to day-to-day business practices; to evaluate strategic management plan and formulate appropriate actions to be taken to ensure effective business results and organizational growth; and to demonstrate effective leadership skills in managing people's behavior and motivation as well as processes in an organization.

Topics : Leadership and Organizational Behavior (LOB) is a field of study that investigates the impact that individuals, groups, and structure have on behavior within organizations for the purpose of applying such knowledge toward improving an organization's effectiveness. It looks upon what people think, feel and do in and around organizations, and discusses people behaviors in relation to personal and organizational values, corporate culture, motivation, human performance, leadership, power, conflict and management in general.

MGMT8089 - STRATEGIC MANAGEMENT IN BUSINESS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to formulate management issues, and conduct appropriate strategy analysis; Apply appropriate approaches and techniques in strategy formulation; Analyse ethical impact of strategies and formulate strategies which are both strategic and ethical; Design alternative strategies in order to grow the market and or improve operations excellence through productivity

and efficiency; and Design a strategic formulation and application in order to grow the business and or operations excellence in strategy options to win the competition.

Topics: Strategic Management in Business in Binus Business School will provide the participants with “Strategic hands-on Knowledge, Skills and Behavior” Capabilities so later in real world they could manage the resources, organization, management and strategic positioning of the firm in order to gain core competence, capability and long-term competitive advantage by combining “Theory of Strategy” and “Practice of Strategy”. To accomplish this purpose, this course introduces and employs various analytical frameworks through Case Studies from International and Asian Case Studies which assist the participants to identify the sources of core competence, capability and competitive advantage from both an industry and firm perspectives. This course will focus on strategic decisions and the processes by which general managers position their business and allocate resources in the face of both uncertainty and stiffer competition.

COMM8158 - BUSINESS COMMUNICATIONS & INTERPERSONAL SKILLS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to demonstrate effective negotiation, presentation and interpersonal skills to respond local and global business opportunities, effective business communication to support decision makers for effective business results; apply effective business communication & team-work as well as leadership to lead the organizational growth.

Topics: Business communication is a course designed to coach the students on how to communicate effectively and improve interpersonal communication skills within the business organization. The competencies learned in this course will help the students to achieve peak performance in their career. This course also covers some practical and basic interpersonal skills and group skills such as: relationship, self-management, networking, business presentation, teamwork and negotiation.

ENTR8034 - DESIGN THINKING AND ENTREPRENEURSHIP (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain and apply design thinking and integrative thinking approaches in business decision-making; Design a prototype using the design thinking process; Explain and apply effective approaches in design thinking to make innovative decision; Analyze and 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.

ISYS8241 - INFORMATION SYSTEMS MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to examine the strategic uses of information technology; Apply information technology in developing a corporate strategy; Evaluate the use of technology in transforming the organization and creating new lines of business and new relationships with other firms; Apply appropriate technology to enhance professionalism and productivity.

Topics: This course provides an overview of information systems (IS) in the business world. It presents an organizational view of how information technology (IT) is manipulated or applied to create competitive advantages, manage global organizations, transform organizations, and collaborate with business partners more effectively. Topics include electronic businesses, information technology infrastructure, databases, telecommunication systems, the strategic use of information systems, the development of information systems, the economics of IT, and security issues involved with information systems.

MGMT8090 - OPERATIONS FUNDAMENTAL (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply a systematic approach and integrative thinking in making operational decisions; Analyze the impact of global and local market issues to operation; Explain and apply techniques to improve efficiency and effectiveness of operation system to support a firm performance; and Analyze the role of information technology in improving operations system performance.

Topics: Operations Management is defined as the design, operation, and improvement of the systems that create and deliver the firm's primary products and services. Most business student will either work in the operations area of a business or with people in the operations function during their careers, thus it is vital for them to have a basic understanding of how to design, operate, and improve the operations system, and also how the operations system interacts with another system in a firm. This course will see how different business strategies require different business processes, and how different operational capabilities allow and support different strategies to gain competitive advantage.

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 issues and recommending 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.

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 Guideline, 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.

5.8.2 MM Young Professional – Creative Marketing

MKTG8073 - MARKETING FUNDAMENTAL (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to identify and explain the new marketing realities in order to understand the important of marketing concept to capture emerging local and global business opportunities; to analyze global and local marketing issues, consumer behavior and industrial development in order to keep up with environmental challenges; to explain and analyse marketing strategies as a source of sustainable competitive edge to the organizations; to explain marketing and customer values, strategic marketing approach, as well as innovation as the sources of competitive advantage and to win the competition; and to demonstrate effective team-work, leadership and communication skills in marketing.

Topics : This course is concerned with helping managers identify, select and implement strategies that would make their organizations more competitive in the marketplace. These strategies encompass decisions such as which "products" their firm offers and chooses not to offer, by which markets it seeks to serve and not serve, which competitors it chooses to compete with and to avoid, and what level of vertical and horizontal integration it considers as optimal for all of its stakeholders. Specific ways to compete in the chosen "markets" will usually be characterized by one or more functional strategies such as product line strategy, positioning strategy, pricing strategy, distribution strategy, segmentation strategy, manufacturing strategy, information technology strategy, and global strategy. This course also aims to provide decision makers with concepts, methods and procedures by which they can improve the quality of their strategic marketing decision-making.

MKTG8074 - CONSUMER BEHAVIOR (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to identify and explain the role of consumer behaviour and value concepts in analysing contextual business opportunities; explain and apply the concepts of consumer behaviour and value in solving marketing and managerial problem; apply appropriate creative marketing approach to conduct a basic consumer behaviour research; create effective marketing strategy using principles of consumer behaviour and value; and apply principles of ethics and consumer behaviour in making marketing analysis and decision

Topics : This course is designed to provide students with basic understanding of consumer behavior. Drawing from rich research in psychology and marketing as science, students would be exposed to various applications of the concepts in the business world. The course is to equip students with ability to analyze business problems using both the point of view of consumers and companies, so that students would be able to give unique approach and sensitivities to attacking the problems and providing creative and rich solutions.

MKTG8075 - NEW PRODUCT DEVELOPMENT & CHANNEL MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to Identify the opportunity based on the analysis of market and industry using marketing conceptual framework; Create a framework for generating innovative product breakthroughs and interpret the research result to make product launch decision; Write a proposal of a new product using design thinking process; Design an innovative products prototype concepts as a source of sustainable competitive advantage.

Topics: For a company, it is not sufficient to rely on having good products and services only. For successful performance, they require efficient channel to be reached and accessible by the customers. With the proliferation of ICT, marketers have additional powerful channel to distribute its products. Product and channel management are one of the essential part of 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 be able to evaluate the role of brand in companies' performance; Develop framework 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.

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.

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 build as a separate discipline within marketing. Buying, building and divesting brands ask for serious investments and a strategic approach. To formulate this strategy, we need a serious understanding of the role 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 from time to time

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 has brought many difficulties and, for some, opportunities, for marketers to communicate their brands. The hyper-competitive markets need a new way in marketing communications to make brands achieve their marketing objectives. Old school of conventional advertising has been considered obsolete, while creative marketing communication with an entertaining and engagement perspective is here to stay. This course is an in-depth study of Creative Marketing Communications in order to make the brand stands out from the crowd and achieves marketing success. Developed with a creativity platform, it links advertising and brand activation with sales promotion, Internet marketing, direct marketing, public relations and personal selling through all possible contacts with the target audience. Emphasis will be placed on strategic creative planning to effectively use these promotional tools to communicate with customers and meet marketing goals.

MKTG8077 - DIGITAL MARKETING AND MULTIMEDIA (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able 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; exploring 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 source of income via e-commerce, subscription, and other method 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 Internet as the integrating point to create effective campaign and marketing using the latest technology trends that will take the advantages of Internet 2.0 spirit while considering to the next level of using common platform in the Internet 3.0 Era.

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 issues and recommending 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.

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 Guideline, 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.

5.8.3 MM Professional - Business Management

MKTG8072 - MARKETING MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and respond to emerging local and global business opportunities; to define, explain, and synthesize marketing management principles to local and global corporate performance; to identify and analyze market and industry using the latest marketing management conceptual frameworks; to design and apply comprehensive marketing management approach to address local and global business problems; and to 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 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.

ISYS8240 - INFORMATION TECHNOLOGY FOR MANAGEMENT (3SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to 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 apply 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

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.

BUSS8020 - BUSINESS ETHICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Identify and explain various theories of ethics and common business ethics issues 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 organization; Explain and analyze the roles of ethics and social responsibility in overall company's business strategy; and Analyze leadership character that upholds ethical value in the practical area in order to achieve organizational objective.

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 in 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 & BUSINESS STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Identify, analyze problems and apply appropriate approaches to solve complex problems based on quality research in local & global management practices; collect, communicate, and disseminate relevant information to the appropriate decision makers for effective business results; and create, design, and deliver novel solutions as a source of sustainable competitive edge to the organizations.

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 Corporate and Business Strategy course. This course is normally found as the capstone course in 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.

MGMT8207 – MANAGEMENT CONSULTING FIELD PROJECT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to define and prioritize key problems and apply appropriate approaches to analyze them; to collect and analyze information in appropriate business and academic manners; to create innovative solutions to certain business and management model 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; to communicate business and management ideas and design effectively in verbal and written form

Topics: This course is designed for academicians 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 basis or foundation to develop synergy among functions involve in the project. This course will provide concept and best practice in how to make sure project and enterprise goals are aligned; that the organizational resources can support project communication and decision making more effectively; and how to integrate project process with other functions or processes; and overall, how to oversee projects more effectively.

ECON8020 - MANAGERIAL ECONOMICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to 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; and apply appropriate managerial economics techniques in performing market analysis

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.

MGMT8087 - OPERATIONS & SUPPLY CHAIN MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to: Demonstrate outstanding knowledge and skills of the operation and supply chain management and business in the multi disciplines and multi functions organization to set of strategies and directions to achieve the 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; and Derive and compute optimal policies/variables and performance measures such as costs/profits.

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 integrates 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 (SC).

MGMT8088 - THESIS (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to analyze the market and industry using latest business management conceptual frameworks; demonstrate the ability to apply comprehensive approaches in business decision-making process; articulate critical and creative problem-solving skills in understanding contemporary and complex business management issues and practices in competitive business settings; display effective verbal and written communication skills.

Topics: This compulsory course emphasizes research and analysis, by offering three alternative assessment activities: an academic research, consulting project or a Business Model Creation (BMC) project. Final stage of this thesis writing process, students must submit the final version of written thesis for examination. BINUS BUSINESS SCHOOL will assign a chairperson and examiners for the thesis defense, which will be the same as proposal defense panel. Further details on the thesis are included in the Thesis Guideline, provided separately.

5.8.4 MM Business Management Online

FINC8059 - FINANCIAL FUNDAMENTAL (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to interpret and prepare financial statement and reporting using appropriate approaches; to choose appropriate financial analysis tools in a given business situation for decision-making processes; to identify and use effective applications of IT in

calculating bonds, optimal portfolio selections, options and leasing; to 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 a special attention on creating wealth. In general, there are three groups of financial decisions: investment, financing, and dividend decisions. Investment decisions involve allocation of scarce resources across competing uses. Financing decisions involve raising funds to finance the investment projects. Dividend decisions involve reinvesting cash back to the business or returning cash to shareholders

RSCH8012 - RESEARCH METHODS (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; Design and execute research project in business/ management fields.

Topics: This course is designed in order to develop students' knowledge and skill in research process, thus preparing them to start their own research activities especially in the context of preparing them for 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 and presenting.

ACCT8144 – ACCOUNTING FOR MANAGER (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain the functions of each financial reporting and statement in firms' decision making; to analyze financial statements as part of decision making process; to interpret results of financial statement analysis to improve financial health of a firm; and to analyze managerial problem and apply appropriate managerial accounting approaches to solve complex problems.

Topics: This course introduces to students concepts of financial statements as one of important information sources in making economic decision. The course is designed to give understanding about the important of financial statements, to give ability to read the financial statement as well as to analyze and interpret them.

This course also introduces student to develop management skills on company's internal information, such as cost control and cost analysis. Moreover, management accounting can also be described as a managerial tool for business strategy and implementation. Therefore, this course also aims to give an understanding of analyzing cost and profitability of an organization's products, services, as well as creating values to customers.

STAT8097 - BUSINESS STATISTICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to describe the uses, capabilities and limitations of various statistical procedures; Apply appropriate descriptive statistics to present and summarize data into useful information; Apply appropriate statistical inference methods to solve a business problem; and Conduct a thorough statistical analysis and utilize the interpretation in making business decision
Utilize statistical software in analysing data.

Topics: Business Statistics is the science of good decision making in the face of uncertainty and is used in many business management areas such as marketing, finance, production and operations including services improvement. The course provides knowledge and skills to interpret and use statistical techniques in a variety of business

applications. The course will emphasize the relevance of statistics, encourage the students to be familiar with the software used in business world, and provide ample practice in order to understand how statistics is used in 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 analyse their implication to global and local business, especially to its manager and leaders; analyse 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; design CSR/CSV project that are both innovative and promote sustainability.

Topics: Ethics and social awareness has become more and more important for business practitioners these days. It governs the ways in which businesspeople define what is right and how to do the right things. This course will help students to understand various ethical theories and approaches in business. Students will also introduce to various novel approaches in developing sustainable business.

MGMT8086 - LEADERSHIP & ORGANIZATIONAL BEHAVIOR (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to explain and analyze the main concept of people's and organization's behaviors and relate them to day-to-day business practices; to evaluate strategic management plan and formulate appropriate actions to be taken to ensure effective business results and organizational growth; and to demonstrate effective leadership skills in managing people's behavior and motivation as well as processes in an organization.

Topics : Leadership and Organizational Behavior (LOB) is a field of study that investigates the impact that individuals, groups, and structure have on behavior within organizations for the purpose of applying such knowledge toward improving an organization's effectiveness. It looks upon what people think, feel and do in and around organizations, and discusses people behaviors in relation to personal and organizational values, corporate culture, motivation, human performance, leadership, power, conflict and management in general.

MGMT8089 - STRATEGIC MANAGEMENT IN BUSINESS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to formulate management issues, and conduct appropriate strategy analysis; Apply appropriate approaches and techniques in strategy formulation; Analyse ethical impact of strategies and formulate strategies which are both strategic and ethical; Design alternative strategies in order to grow the market and or improve operations excellence through productivity and efficiency; and Design a strategic formulation and application in order to grow the business and or operations excellence in strategy options to win the competition.

Topics: Strategic Management in Business in Binus Business School will provide the participants with "Strategic hands-on Knowledge, Skills and Behavior" Capabilities so later in real world they could manage the resources, organization, management and strategic positioning of the firm in order to gain core competence, capability and long-term competitive advantage by combining "Theory of Strategy" and "Practice of Strategy". To accomplish this purpose, this course introduces and employs various analytical frameworks through Case Studies from International and Asian Case Studies which assist the participants to identify the sources of core competence, capability and competitive advantage from both an industry and firm perspectives. This course will focus on strategic decisions and the

processes by which general managers position their business and allocate resources in the face of both uncertainty and stiffer competition.

COMM8158 - BUSINESS COMMUNICATIONS & INTERPERSONAL SKILLS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to demonstrate effective negotiation, presentation and interpersonal skills to respond local and global business opportunities, effective business communication to support decision makers for effective business results; apply effective business communication & team-work as well as leadership to lead the organizational growth.

Topics: Business communication is a course designed to coach the students on how to communicate effectively and improve interpersonal communication skills within the business organization. The competencies learned in this course will help the students to achieve peak performance in their career. This course also covers some practical and basic interpersonal skills and group skills such as: relationship, self-management, networking, business presentation, teamwork and negotiation.

ENTR8034 - DESIGN THINKING AND ENTREPRENEURSHIP (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to explain and apply design thinking and integrative thinking approaches in business decision-making; Design a prototype using the design thinking process; Explain and apply effective approaches in design thinking to make innovative decision; Analyze and 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.

ISYS8241 - INFORMATION SYSTEMS MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to examine the strategic uses of information technology; Apply information technology in developing a corporate strategy; Evaluate the use of technology in transforming the organization and creating new lines of business and new relationships with other firms; Apply appropriate technology to enhance professionalism and productivity.

Topics: This course provides an overview of information systems (IS) in the business world. It presents an organizational view of how information technology (IT) is manipulated or applied to create competitive advantages, manage global organizations, transform organizations, and collaborate with business partners more effectively. Topics include electronic businesses, information technology infrastructure, databases, telecommunication systems, the strategic use of information systems, the development of information systems, the economics of IT, and security issues involved with information systems.

MGMT8090 - OPERATIONS FUNDAMENTAL (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply a systematic approach and integrative thinking in making operational decisions; Analyze the impact of global and local market issues to operation; Explain and apply techniques to improve efficiency and effectiveness of operation system to support a firm performance; and Analyze the role of information technology in improving operations system performance.

Topics: Operations Management is defined as the design, operation, and improvement of the systems that create and deliver the firm's primary products and services. Most business student will either work in the operations area of a business or with people in the operations function during their careers, thus it is vital for them to have a basic understanding of how to design, operate, and improve the operations system, and also how the operations system interacts with another system in a firm. This course will see how different business strategies require different business processes, and how different operational capabilities allow and support different strategies to gain competitive advantage.

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 issues and recommending 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.

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 Guideline, 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.

5.8.5 MM Executive**MGMT8033 - STRATEGIC HUMAN CAPITAL AND CHANGE MANAGEMENT (3 SCU)**

Learning Outcomes : Upon successful completion of this course, students are expected to be able to integrate human capital and change management with business strategy. In strategic human capital, student will be able to develop a coherent framework of human capital plan, which includes policies, programs, and practices; and implement the plan to build a highly effective, performance-based organization by recruiting, acquiring, motivating and rewarding workforce. In change management, student will be able to choose effective intervention and communication strategies

for effective change management at different stages in a change process; evaluate the process and effect of changes in organization; and explain and analyze the different approaches to change and different stages of change.

Topics : This course emphasizes the importance of change and why it is needed. It deals also with how planned change to organizations can bring forward organizational improvement and effectiveness, by providing organization-wide change strategies through various approaches and their integration. The course will also provide students and managers with tools to make growth-oriented business decisions in order to response to changing business environment.

ACCT8001 - ACCOUNTING FOR EXECUTIVE (2 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to create and analyze business profit (budget) plan 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 initiatives 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 result and making corrective decisions when necessary.

ECON8002 – MICROECONOMICS OF COMPETITIVENESS (2 SCU)

Learning Outcomes : Developed by Professor Michael Porter from Harvard Business School, this course addressed the subject on competitiveness and economic development from a bottom-up with microeconomic perspective. Upon successful completion of this course, students are expected to be able 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 resources allocation and product distribution in the community. The central of the discussion, however, will be on the decision making process in economy that led to social welfare in relation to sustainability. The two important foundations for discussion in this course are micro and macro economics theories. These two subject discuss the behavior of human, and company and market, and the government roles.

BUSS8004 – EXECUTING BUSINESS STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to execute business strategy effectively by understanding the strategic business in micro and macro environment. Students also expected to be able to analyze situations and competitors and formulating effective and powerful strategy in order to win the competition; demonstrate an understanding of the importance of information collection, communication and dissemination among organizational functions, apply comprehensive business management approach to support strategic decision-making in local as well as global organizational scope.

Topics: This course introduces and employs various analytical frameworks through Global Case Studies, which assist the participants to identify the sources of core competence, capability and competitive advantage from both an industry and firm perspectives. This course will focus on the processes by which leaders position their business and allocate resources in the face of both uncertainty and stiffer competition.

BUSS8006 – AGILE AND DISRUPTIVE BUSINESS STRATEGY (3 SCU)

Learning Outcomes: Upon successful completion of this course, student will be able to identify whether difficult times arise from changing economies, changing technologies or by direct competition. Students will be able to anticipate the change in the near future and response to the change by developing agile strategies, agile structures and agile people.

Topics : This course is intended to fill the gaps by exposing the students to the knowledge, skills, and attitudes required of effective top executives in providing a strategy to address the change. This course will provide students with practical keys to develop and execute agile strategy in disruptive environment, such as avoiding disruption by creating new growth, anticipating what will happen in the near future in industry, adopting a powerful common language for framing problems and creating solutions.

DSGN8001 - DESIGN THINKING AND BUSINESS INNOVATION (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able to incorporate lateral thinking techniques that utilizes numerous ideas and how they can be integrated and implemented; utilize structural thinking to focus on the selection of the best idea and being able to implement it successfully. Able to manage the innovation process within an organization to produce continuous innovation that leading to business growth or social wealth. The organization covers startups, established corporation, social organization and government.

Topics : This course provides 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 styles effectively and also real life cases of prominent business leaders to adopt the attitude for possessing these two types of thinking. Both lateral and structural thinking will be used in the remaining of this program. And this course covers how innovation becoming a daily business in an organization. Moreover, the course also covers high level of knowledge economy concept in current domestic and foreign issues. Innovation will be elaborated from the perspectives of strategy, process, organization, and technology in order to instill leadership habits.

ENTR8005 – STARTUPS AND CORPORATE ENTREPRENEURSHIP (2 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able 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 foundation 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.

BUSS8005 – CORPORATE GOVERNANCE AND ETHICS (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to understand how and why the success and reputation of businesses are increasingly and principally linked to the level of ethical conduct. They will be able to use and integrate the corporate governance, ethical principles and values into business in order to shape corporate conduct for sustainable business.

Topics: Corporate governance and business ethics are the important in today's business practitioners. It governs the ways in which businesspeople define what is right and how to do the right things. This course will help students to understand various ethical theories and approaches in business. Students will also introduce to various novel approaches in developing sustainable business.

MGMT8034 – LEADING IN A GLOBAL ENVIRONMENT (3 SCU)

Learning Outcomes : Upon successful completion of this course, students are expected to be able 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 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 empower student to take charge and be an effective global leader.

MGMT8032 – STRATEGIC MARKETING MANAGEMENT (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to identify and respond to emerging local and global business opportunities; to define, explain, and synthesize marketing management principles to local and global corporate performance; to identify and analyze market and industry using the latest marketing management conceptual frameworks; to design and apply comprehensive marketing management approach to address local and global business problems; and to 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 aims to expose students to the 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.

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 to 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 makings 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 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.

RSCH8060 – BUSINESS RESEARCH (3 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to apply systematic steps in using certain quantitative methods; to solve business, management and financial problems using quantitative analysis; to formulate a model for a certain business problem; and to compare and evaluate the effectiveness of several alternative decision models.

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 composes of the application of a wide variety of quantitative tools and techniques to the solutions of real business problems.

MGMT8087 - OPERATIONS & SUPPLY CHAIN MANAGEMENT (3 SCU)

Learning Outcomes: Upon succesful completion of this course, students are expected to be able to: Demonstrate outstanding knowledge and skills of the operation and supply chain management and business in the multi disciplines and multi functions organization to set of strategies and directions to achieve the 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; and Derive and compute optimal policies/variables and performance measures such as costs/profits.

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 integrates 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 (SC).

MGMT8035 – GROUP FIELD PROJECT (6 SCU)

Learning Outcomes: Upon successful completion of this course, students are expected to be able to define and prioritize key problems and apply appropriate approaches to analyze them; to collect and analyze information in appropriate business and academic manners; to create innovative solutions to certain business and management model 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; to communicate business and management ideas and design effectively in verbal and written form

Topics: This course is designed for academicians 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 basis or foundation to develop synergy among functions involve in the project. This course will provide concept and best practice in how to make sure project and enterprise goals are aligned; that the organizational resources can support project communication and decision making more effectively; and how to integrate project process with other functions or processes; and overall, how to oversee projects more effectively.

6. Graduate Program

Graduate Program in Information System Management, Information Technology, Industrial Engineering, Doctoral Program in Management (DRM) and Doctoral Program in Computer Science (DCS)

Graduate Program in Information System Management, Information Technology, Industrial Engineering, Doctoral Program in Management and Doctoral Program in Computer Science Bina Nusantara (Binus) University as an education institution has shown its continuously commitment to be the best in delivering quality education that is relevant to business and industry needs. In order to achieve international quality standard, we continuously make our best effort to provide students with an excellent learning process, up to date course materials, and professional resources to deliver knowledge and skill. Binus University 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. Doctoral Program in management was also opened in 2011 and in Computer Science was opened in 2015.

The Doctor of Research in Management (DRM) is a doctoral level program in management which emphasizes the development of knowledge in management by combining the elements of science, best practices, and use of Information and Communication Technology (ICT). It offers concentrations in Business, Marketing Science, and Information System. 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.

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.

Vision

World class doctoral program in management, and graduate program in ISM, IT and IE 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 DRM and the graduates of IT/ISM/IE 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.

6.1 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

SEMESTER 1

Periode 1

Course Name	SCU
ISYS8006 – Managing Corporate Information System and Technology	3
MGMT8003 – Project and Change Management	3

Periode 2

Course Name	SCU
MGMT8004 – Strategic Knowledge Management	3
FINC8002 – Capital Planning and Investment	3
RSCH8008 – IS Research Methodology	3

SEMESTER 2

Periode 1

Course Name	SCU
ISYS8008 – Corporate IT Strategy	3
ISYS8014 – IS Risk Management	3
ISYS8015 – IS Leadership	3

Periode 2

Course Name	SCU
ISYS8011 – Electronic Business Strategy and Management	3
RSCH8009 – Pre Thesis	0
Stream: IS Strategic Management	
ISYS8018 – IS Quality Assurance and Control	3
Stream: Technopreneur	
ENTR8001 – Entrepreneurship with Based Technology	3

SEMESTER 3

Periode 1

Course Name	SCU
ISYS8010 – IS Strategic Planning	3
Stream: IS Strategic Management	
ISYS8017 – Technology Management and Valuation	3
Stream: Technopreneur	
ISYS8013 – Services Oriented Enterprise	3

Periode 2

Course Name	SCU
RSCH8007 – Thesis	6

6.2 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 and Communication 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 and Communication Technology in the complex and dynamic environment using inter and multidisciplinary research approach.
3. Able to develop methods and Information and Communication Technology research using inter and multidisciplinary 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 Communication and Information Technology infrastructure management and effective communication based on a scientific study and professional practice
5. Able to plan and implement the Information and Communication Technology projects using effective information technology project management knowledge 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

SEMESTER 1

Periode 1

Course Name	SCU
COMP8005 – IT Services	3
COMP8011 – Advanced Database Systems	3
COMP8009 – Advanced Software Engineering	3

Periode 2

Course Name	SCU
ISYS8001 – IT Project Management	3
RSCH8052 – IT Research Methodology	3
COMP8006 – Services Oriented Architecture	3

SEMESTER 2

Periode 1

Course Name	SCU
COMP8008 – IT Risk Management and Disaster Recovery	3
COMP8024 – IT Security	3
RSCH8004 – Pre Thesis	0

Periode 2

Course Name	SCU
MOBI8001 – Mobile Technology & Cloud Computing	3
RSCH8057 – Thesis (Colloquium)	0
Stream: Information engineering	
COMP8014 – Knowledge Data Discovery	3
Stream: IT Infrastructure Management	
ISYS8003 – IT Strategic Planning	3

SEMESTER 3

Periode 1

Course Name	SCU
RSCH8058 – Thesis (Research Result Examination)	0
Stream: Information Engineering	
COMP8025 – Big Data Analytics	3
COMP8015 – Multimedia Indexing and Retrieval	3
Stream: IT Infrastructure Management	
COMP8026 – Enterprise Architecture	3
CPEN8003 – Network Governance	3

Periode 2

Course Name	SCU
RSCH8059 – Thesis (Final Defense Examination)	6

6.3 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. Eble 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 aplication
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.

Course Structure

SEMESTER 1

Periode 1

Course Name	SCU
STAT8001 – Statistical Analysis & Research Methodology	3
ISYE8001 – Engineering Optimization	3

Periode 2

Course Name	SCU
ISYE8002 – Quality Assurance & TQM	3
Stream: Industrial Management	
ISYE8003 – Risk and Industrial Management	3
Stream: Supply Chain Engineering	
ISYE8004 – Global Supply Chain	3

SEMESTER 2

Periode 1

Course Name	SCU
MGMT8005 – Operation Management	3
ISYE8006 – Human-Integrated System	3
ISYE8007 – Human Performance Technology	3

Periode 2

Course Name	SCU
RSCH8010 – Thesis Proposal	0
Stream: Industrial Management	
ISYE8008 – Service Engineering	3
ISYE8009 – Industrial System Design	3
Stream: Supply Chain Engineering	
ISYE8010 – Logistics	3
ISYE8011 – Supply Chain Modelling	3

SEMESTER 3**Periode 1**

Course Name	SCU
ISYE8012 – System Simulation And Modeling	3
ISYE8013 – Occupational Safety & Health Management	3
MGMT8006 – Human Capital Management	3

Periode 2

Course Name	SCU
RSCH8011 – Thesis	6

6.4 Course Description

6.4.1 Master of Information System Management

ISYS8006 - MANAGING CORPORATE IS AND TECHNOLOGY (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analysing capabilities, value, and strategic information system; Analysing IT impact on business model and on organizations; Managing risk, outsourcing, legacies, and IT infrastructure assets; Managing project execution, process consistency and agility in project management; Managing the scope and designing of IT Governance to achieve effectiveness; Managing tension in the changing role of IT and benefits leadership of the IT function

Topics: IT And Business Advantage I; IT And Business Advantage II; IT And Business Advantage III; IT And Business Advantage IV; The Business Of IT I; The Business Of IT II; The Business Of IT III; The Business Of IT IV; IT Applications Acquisition and Options; IT Leadership I; IT Leadership II; Economics of IT

MGMT8003 - PROJECT AND CHANGE MANAGEMENT (3 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; Explain why organizations change and what is change management; Demonstrate understanding on implementing change

and principle on leading change; Demonstrate understanding of how to integrate MOC into project management methodology

Topics: Project Management Overview and Project Management; Project Management Knowledge Areas (1 and 2); Project Management Knowledge Areas (3 & 2); Project Management Knowledge Areas (5 and 6); Project Management Knowledge Areas (7, 8, & 9); Why Organizations Change and What Changes in Organizations; Diagnosis for Change; Resistance to Change; Linking Vision and Change; Communicating Change; Implementing and Sustaining Change; Transformation Leadership; Implementation Architecture; BPI and Change Management

MGMT8004 - STRATEGIC KNOWLEDGE MANAGEMENT (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: To understand the urgency and need of Knowledge Management in current business competitiveness; To cover the level of knowledge management, the overall structure and organizational processes of the knowledge community, strategy to encourage adoption of the processes at organizational unit level, mechanism to support and guide the individual; To view the various factor which affect successful knowledge management; To provide with a useful guide to enhancing knowledge practice, whether in large corporation or in a smaller firms; To provide with a useful guide and references in designing features and facility for Knowledge Management System

Topics: Introduction to knowledge management; The nature of knowing; Intellectual capital; Strategic management perspectives; Organisational learning; The learning organization; Knowledge management tools: component technologies; Knowledge management systems; Enabling knowledge contexts and networks; Implementing Knowledge Management

FINC8002 – CAPITAL PLANNING AND INVESTMENT (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain IT Investment concepts, framework and decision making; Explain the financial management concepts related to IT Industry; Understand the financial statements and to demonstrate the ability to conduct financial analysis; Understand financial value, capital budget techniques, project valuation and selection of investment; Demonstrate his/her ability in making IT Investment business case, financial forecasting; Demonstrate his/her ability to calculate funding alternatives for IT Projects.

Topics: Introduction to IT Investment and Financial Management; Understanding of Financial Statement; Evaluating a Firm's Financial Statement; The Time Value of Money; Capital Budgeting Techniques, Project Valuation and Selection of Investment; Leasing to Finance IT Project; IT Investment business case and project costing; Cost of Capital to Fund Long Term Assets; Determining the Financing Mix & Measurement Risk of Return; Short term Financial plan and working capital; Business Case simulation.

RSCH8008 - IS RESEARCH METHODOLOGY (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Formulate research problem; Build theoretical framework and formulate models; Developing Research Methods; Conduct research; Analyse and to use proper statistical tools; Report

Topics: Research Methodology: An Introduction Concepts of Research; Getting and Developing Research Idea; Literature Review; Choosing a Research Design; Sampling Design, Measurement and Scaling Techniques; Data collection and analysis; Research Report

ISYS8008 - CORPORATE IT STRATEGY (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain concept of business and business strategy and IT strategy planning and its alignment; Analyze and assess the need of IT architecture and infrastructure, and IT application strategy as well to present impact of IT on business advantage; Examines approaches in managing technology for IT, IT program, IT service, and also IT sourcing; Justify corporate returns on IT investment and its leadership in managing IT change

Topics: Business and IT: Business Strategy, Challenges and Opportunities for IT, and IT Alignment; Strategic IT Planning; Enterprise IT Architecture and IT; IT Application Strategy; Strategy ERP as an IT Application Portfolio and Its Case; Technology Management Strategy for IT; Strategy for IT Program Management and PMO; IT Service Management Strategy; IT Sourcing Strategy; Planning and Measuring Returns on IT Investment; Strategies for Managing IT-Led Change; Group project assignment

ISYS8014 - IS RISK MANAGEMENT (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Identify principles and attributes of information security risk; Analyze the security risk of an organization; Understand an organization's information security requirements and the need to establish policy and objectives for information security; Develop Security Strategy and Plans

Topics: Managing Information Security; Principles and Attributes of Information Security Risk Evaluations; Introduction to the OCTAVE Method; Preparing for OCTAVE; Identifying Organizational Knowledge (Processes 1 to 3); Creating Threat Profiles (Process 4); Identifying Key Components (Process 5); Evaluating Selected Components (Process 6); Conducting the Risk Analysis (Process 7); Developing a Protection Strategy; An Introduction to Tailoring OCTAVE; Practical Applications & Information Security Risk Management

ISYS8015 - IS LEADERSHIP (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand about Company Value and Valuation Concept; Understand how to use IT Value based to review the performance of business operations; Understand how to estimate the value of information technology; Understand the link of IT Planning and IT Valuation Concept; Understand How to Measures of Efficiency and Effectiveness of IT Supply; Understand the Concept of Benchmarking IT and TMV Implementation

Topics: Laying the Foundation: Leadership; Understanding the fundamental of Information Systems (IS) environment; Creating IS leadership vision; Shape and Inform Expectations an ICT (Information and Communication Technology)-enabled enterprise; Create Clear and Well-defined/ Appropriate ICT governance; Create Clear and Well-defined/ Appropriate ICT governance (Part-2); Weave business and ICT strategies together; Build a New IS Organization; Developing a High-Performaing IS Team (Part-1); Developing a High-Performaing IS Team (Part-2); Managing enterprise and ICT risks; Communicating the IS Performance

ISYS8011 – ELECTRONIC BUSINESS STRATEGY AND MANAGEMENT (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analise business needs, problem sources and opportunities; Plan and design business strategy by utilising electronic media and technology; Manage and execute electronic business operational; Developing electronic blueprint and interaction on various digital

platforms and frameworks; Harness the required soft-skill and implement the best practices to be a future IT leader; Proficient in Electronic business entrepreneurship.

Topics: Overview of Electronic Business Strategy and Management; The Market: Defining Consumers; Production & Value Creation; E-Business Technology & Infra-structure; Electronic Marketing; Best Practices: CIO Interview Assignment; Web Development Framework & Usability; Mobile Commerce & Phone Platforms; New Digital Media & Research Development; Electronic Business Plan Overview; Customer Relationship Management.

ISYS8018 – IS QUALITY ASSURANCE AND CONTROL (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: explain how far evolutions of IT control guidance and technique has comes; examine the overview of IT Governance and formulate the basic required control over IT resources in various organizations; examine IT acquisitions and implementation process including the related risk and controls of the life cycle in application systems; construct an overview of service management and IT Control; explain the risk in virtual environment that leverage the e-commerce and ERP. Select the appropriate security systems to secure it.

Topics: IT Control and Audit; IT Planning and Organization; IT Acquisition and Implementation; IT Delivery and Support; Virtual Environment and Security; Enterprise Resource Planning and E-Commerce.

ENTR8001 - ENTREPRENEURSHIP WITH BASED TECHNOLOGY (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Explain Knowledge about Entrepreneurial Skills; Write Idea and Action Plans to Follow up Business Initiatives; Managing Technology Innovation; Create Business Model; Build a Business Plan

Topics: Entrepreneur; The Power of Entrepreneur; Evaluating Opportunity; Understanding Business Model and Strategy; Business Plan Process; Entrepreneurial Marketing; Building Founding Team; Business Plan Financial; What the investor want?; Bootstrapping New Venture

ISYS8010 – IS STRATEGIC PLANNING (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: understand how to develop align and integrate IS Strategy and Business Strategy; master the various tools and techniques in IS strategy development; understand the various issues and able to manage the implementation of an IS Strategy; formulate future IS strategy adjustment based on current trends.

Topics: Introduction: Setting the stage, i.e., the strategic role of IS in business organization; Business strategy formulation and its implication in IS strategy development; Approach to IS strategy formulation and planning; IS strategic analysis and tools: assessing and understanding the current situation; IS/IT strategic analysis and tools: determining the future potential; The IS strategy: coherently addressing the “demand side” of the strategy; The appropriate means of managing the applications portfolio; Structuring and organizing IS resources and the governance of IS activities; Managing investments in information systems and technology; Managing information as strategic assets: towards knowledge management; Managing IT Infrastructure and the provision of IS Services requirements; Implication of Current trends and emerging issues on Future IS strategy.

ISYS8017 - TECHNOLOGY MANAGEMENT AND VALUATION (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Understand about Company Value and Valuation Concept; Understand how to use IT Value based to review the performance of business

operations; Understand how to estimate the value of information technology; Understand the link of IT Planning and IT Valuation Concept; Understand How to Measures of Efficiency and Effectiveness of IT Supply; Understand the Concept of Benchmarking IT and TMV Implementation

Topics: The need to measurement the value of IT; Cash Flow and Applying Valuation; Cash Flow Valuation; How To Measure IT Investment ROI; Company Value and the Manager's Mission; Measuring and Improving Corporate IT Performance through the Balanced Scorecard; The Role of IT and Planning and IT Valuation – The BtripleE Framework; Measures of The Business Value of IT; Measures of the Effectiveness of IT; Measures of the Effectiveness and Efficiency of IT Supply; An IT Measurement Program and Benchmarking IT; Benchmarking IT

ISYS8013 - SERVICE ORIENTED ENTERPRISE (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Introduces the service oriented modeling, service life cycle, and services components; Discusses Service Definition, Discovery and Deployment; Discusses and Explain about Service Oriented Analysis and Modeling; Discusses the service oriented conceptualization process and elaborates on various mechanisms that can help organization to establish common concepts and identify conceptual services and establish enterprise taxonomies; Delves into service oriented planning and analysis mechanisms; Depicts service oriented business integration mechanisms and furnishes a business modeling language that can be used to integrate services with business domains and business products; Discusses BPM architecture, service quality and business performance measurement

Topics: Introduction of Service Oriented Enterprise and Service Oriented Methodologies; Introduction and Implementation of Service Definition, Discovery and Deployment; Service Oriented Analysis and Modeling; Introduction Service Oriented Design and SOA Composition Guidelines; Service Design and Business Process Design; CASE (1); Introduction Business Process Management, BPM Methodologies, BPMN; Business Process Modeling, Process Orchestration, Process Choreography; BPM Architecture; Service Quality and Management; Business Performance Measurement and Narrowing Gap between IT and Business; CASE(2)

6.4.2 Master of Information Technology

COMP8005 - IT SERVICES (3 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

COMP8011 - ADVANCED DATABASE SYSTEMS (3 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

COMP8009 – ADVANCED SOFTWARE ENGINEERING (3 Credits)

Learning Outcomes: On successful completion of this Course, students will be able to: Analyse and differentiate the software process method; Appraise the quality of software; Assemble the software testing for certain software product; Integrated the concept of software engineering into pilot project; Measure the successful of software project; to value the strategic impact of the software project into organization; to examine the role of software engineering in ICT Industry.

Topics: life cycle models; requirement engineering; system analysis and design; software testing; software quality assurance (SQA); change management; UML; Software Engineering best practices.

ISYS8001– IT PROJECT MANAGEMENT (3 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.

COMP8006 - SERVICES ORIENTED ARCHITECTURE (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Analyse the nature of Service Management; Propose the necessary Service Architecture Framework; Evaluate results of the Service Architecture Investment; To propose SOA methods that aligned with Business needs; To propose SOA Security Policy

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).

COMP8008 – IT RISK MANAGEMENT AND DISASTER RECOVERY (3 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: Introduction to Strategic IT Security and Risk Management; IT Risk Portfolio; Managing Information Security Risk; Methods of IT Risk Analysis; Building Blocks of IT Security; Electronic Crime and Forensic Computing; Securing the network; Securing network Operations, Databases, and Applications; Computer Forensics – Tools and Acquisitions; Computer Forensics – Analysis and validation; Disaster Recovery & Business Continuity Preparation, Operation and Maintenance; Business Continuity Preparation, Operations and Maintenance

COMP8014 – KNOWLEDGE DATA DISCOVERY (3 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;

COMP8015 - MULTIMEDIA INDEXING AND RETRIEVAL (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Describe the principle components of a multimedia information retrieval system and how they differ from other retrieval systems, most notably text information retrieval systems; Understand standards for description and retrieval of multimedia content; State the computational principles underlying both current and emerging multimedia information retrieval systems; Discuss the importance of the human perception of multimedia data for the purpose of content-based retrieval

Topics: Introduction; Languages for Metadata; Pattern Recognition for Multimedia Content Analysis; Searching for Text Documents; Image Processing; Generative Probabilistic Models; Speech Indexing; Semantic Video Indexing ; A Spatio-temporal and Probabilistic Approach in Video Retrieval; Multimodal Content-based Video Retrieval; Interaction; Evaluation of Multimedia Retrieval Systems

CPEN8003 - NETWORK GOVERNANCE (3 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

RSCH8052 - IT RESEARCH METHODOLOGY (3 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

COMP8024 - IT 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; Cryptographic algorithms; Access control system; Malicious software; Intrusion detection system; Software security; Operating system security; Physical and infrastructure security; Security auditing and evaluation

COMP8025 - BIG DATA ANALYTICS (3 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

COMP8026 - ENTERPRISE ARCHITECTURE (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Proposes concept of enterprise architecture. The risk and and the benefit of creating EA; Analyzing the relation between software, applications, technology and solution architectures and how IT business functions and processes are mapped into architectures and software solutions; Introduce some model and framework in enterprise architecture. This course also emphasizes how to plan and model enterprise architecture; Use a diagramming tool to develop architectural viewpoints and also analysis architecture model; Implement EA on the real problem by learning some case studies.

Topics: Enterprise Architecture Fundamental; Enterprise Architecture Framework; Guiding and Modeling EA; Language for Enterprise Modeling; Analysis Architecture; Viewpoints and visualization; Tool Support for EA

MOBI8001 - MOBILE TECHNOLOGY & CLOUD COMPUTING (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Understand various aspects of mobile technology and cloud computing; Understand the importance of mobile cloud computing; Apply the concept of mobile cloud computing to related applications; Implement 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

Topics: Mobile Technology; Cloud Computing; Mobile Cloud Computing; Offloading in Mobile Cloud Computing; Privacy and Security in Mobile Cloud Computing; Selected Topic: Sensor Mobile Cloud Computing

6.4.3 Master of Industrial Engineering

STAT8001 – STATISTICAL ANALYSIS & RESEARCH METHODOLOGY (3 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Select descriptive statistics and inference for analysis; Determine research design that appropriate to the topic; Compile research proposal and report; Describe the basic concepts and steps of research; Formulate the topic of research.

Topics: Basic concepts of research; Topic of research; Theoretical Frame Work; Research design; Population and sample; Sampling technique; Measurement scale and research instrument; Data collecting methods; Data analysis and interpretation; Research proposal; Research report

ISYE8001 – ENGINEERING OPTIMIZATION (3 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

ISYE8002 – QUALITY ASSURANCE & TQM (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the principle of management of quality and quality management system ISO 9000:2008, Use statistical process control technique, Describe TQM concept and seven tools in process improvement, Analyze an organization's process in order to improve quality through quality management, Explain the implementation of TQM, Analyze process, solve the problem, and make the decision

Topics: Introduction to TQM (Total Quality Management); Quality Culture; Strategic Management: Planning and Execution; Customer Focus; Overview for Total Quality Tools; Problem Solving and Decision Making; Statistical Process Control; Benchmarking; Continuous Improvement; The Kaizen Approach; Quality Function Deployment (QFD); Quality Management System ISO 9000:2008

ISYE8003 – RISK AND INDUSTRIAL MANAGEMENT (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain the industrial risk framework; Apply the tools and techniques of risk management in industrial engineering problems; Solve the risk management problems in industrial engineering field.

Topics: Introduction to risk and industrial management; Industrial risk framework; Tools and techniques in risk and industrial management; Industrial risk management using the PMI PMBOK; Develop the industrial risk management; An industrial risk-based program management manual; Risks matrix samples; case in risk and Microsoft Project; Customer-driven project management; Strategic planning and risk; Industrial risk audit and review

ISYE8004 – GLOBAL SUPPLY CHAIN (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify the concepts of global supply chain; Perform proper calculation to solve supply chain problem; 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: Global sourcing and trade; Global supply chain management; Strategic planning; Transportation planning; Intermodalism and land transportation; Air, ocean and port facilities; Customs, regulations and security; Trade documents and finance; Intermediaries and inventory management; Information systems and future issues in international logistics

MGMT8005 – OPERATION MANAGEMENT (3 Credits)

Learning Outcomes: At the end of this course, the students will be able to: Examines problems encountered in planning, operating, and controlling production of goods and services; Compute the quantitative models used in formulating managerial problems.

Topics: Waiting-line management; Quality assurance; Production system; Project management; Inventory management; Case studies

ISYE8006 – HUMAN-INTEGRATED SYSTEM (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Identify ergonomics problem; Use anthropometric data in design, use basic of bio mechanical formulas, cognitive ergonomics concepts and formulas, and physiological concepts to analyze and solve human factor problem; Illustrate the relationships between the human and the machine at workplace environment; Recognize or Interpret what kind environment that affect work system efficiency; Write or create human factor analysis report.

Topics: Introduction; Human Body & Anthropometry; Workplace, Equipment, 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; Body and Mind Working Together; Job Design to Avoid Monotonous Task.

ISYE8007 – HUMAN PERFORMANCE TECHNOLOGY (3 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: Explain human performance technology; Apply the tools and techniques of human performance technology in industrial engineering; Solve the case human performance problem with humans factor and ergonomics methods in industrial engineering.

Topics: Introduction to 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 Part 1; Performance technology in action Part 2; Looking forward in human performance technology Part 1; Looking forward in human performance technology Part 2; Human factors and ergonomics methods Physical and Psychophysiological; Macroergonomic methods; Group Project Presentation

RSCH8010 – THESIS PROPOSAL (0 Credits)

Learning Outcomes: At the end of this course, students will exhibit the ability to: Work independently in managing the thesis proposal. Define a problem properly considering the responsibilities, capabilities, and constraints in time, budget, information, and other resources; Identify relevant factors and collect the related data and information via communication, computer systems, and direct observations; Apply methodologies studied in the curriculum in a cumulative and comprehensive manner to model and to solve the problems, both analytically and computationally; Use library, online and other resources to acquire knowledge not covered in the curriculum; formal presentations and report

ISYE8008 – SERVICE ENGINEERING (3 Credits)

Learning Outcomes: Upon completion of the course, students will be able to: Explain the role of service in economy, its nature and service strategy concept; Describe productivity and performance measurement concepts in service industry; Summarize service enterprise concepts-design; Apply facility location technique on given situation; Use a variety of forecasting techniques; Apply managing service operation concepts on given situation.

Topics: Understanding Services; Operation and Productivity of Service; Designing the service enterprise; Service facility location; Forecasting Demand for Services; Managing Capacity and Demand; Managing Waiting Lines; Capacity Planning and Queuing Models; Managing Facilitating Goods; Service Supply Relationship.

ISYE8009 – INDUSTRIAL SYSTEM DESIGN (3 Credits)

Learning Outcomes: On successful completion of this course, student will be able to: Explain the principle of Industrial system design, Design the quality of function deployment (QFD) based on customer requirements; Develop the

Topics: Industrial system design; Questionnaires; Customer Voice; Quality Function Deployment (QFD); Product design and development; Robust engineering; Rapid prototyping; Case studies

ISYE8010 – LOGISTICS (3 Credits)

Learning Outcomes: At the end of this course, students 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

ISYE8011 – SUPPLY CHAIN MODELLING (3 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

ISYE8012 – SYSTEM SIMULATION AND MODELING (3 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; Summaries 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.

ISYE8013 – OCCUPATIONAL SAFETY & HEALTH MANAGEMENT (3 Credits)

Learning Outcomes: At the end of this course, students will be able to: Describe core elements and design and manage prevention and promotion in a company; Apply international codes of conduct and international conventions for the practice of occupational health; Use the internet and other open resources to find information and to improve the quality of professional work in occupational health; Demonstrate ethical and professional work as a professional in occupational health.

Topics: Principles of safety & health management; Hazards Identification, Risk Assessment and Control; Exposures, Effects and Control Option; Safety tools; Practical risk assessment tools in the company; Case studies

MGMT8006 – HUMAN CAPITAL MANAGEMENT (3 Credits)

Learning Outcomes: At the end of this course, students will exhibit the ability to: Distinguish the concepts of human capital management; Manage the organization to sustain with dynamic and external changes; Plan the human resources management system for organization.

Topics: human capital strategy and planning; Evaluation and behavior of human capital; Human resources management system; Selection and recruitment; Rewards and benefits strategy; Case studies

RSCH8011 – THESIS (6 Credits)

Learning Outcomes: At the end of this course, students will exhibit the ability to: Work independently in managing the project, time, and people, and other stake holders; Define a problem properly considering the responsibilities, capabilities, and constraints in time, budget, information, and other resources; Identify relevant factors and collect the related data and information via communication, computer systems, and direct observations; Apply methodologies studied in the curriculum in a cumulative and comprehensive manner to model and to solve the problems, both analytically and computationally; Use library, online and other resources to acquire knowledge not covered in the curriculum; Define sound evaluation criteria and to apply them to the solutions and to present value of the project; Communicate to the various stake holders, including client, supervisor, and evaluator in one-one-one, group discussions, formal presentations, emails, formal correspondence and report.

6.5 Doctor of Research in Management (DRM)

Introduction

The Doctor of Research in Management (DRM) is a doctoral level program in management which emphasizes the development of knowledge in management by combining the elements of science, best practices, and use of Information and Communication Technology (ICT). It offers concentrations in Strategy and Growth, Marketing Science, and Management Information System, Entrepreneurship and Innovation. The program is designed to be accomplished in 5 (five) 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.

Vision

World class doctoral program in management, continuously pursuing excellence in research by combining science, best practices, and leverage of ICT.

Mission

The mission of Doctor of Research in Management is to contribute to the global community through the provision of world-class education by :

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. Providing an excellent advanced education/research environment, that attracts potential qualified researchers and industry practitioners to take up the doctoral program

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 develop new, original, tested, advance, and useful knowledge based on the ontology, epistemology, and axiology of management functions (planning, organizing, staffing, briefing, controlling, and evaluation) in one function of organization (marketing, operation, human resource, finance) on specified type of organization through multi and trans disciplinary research.
2. Able to solve managerial and organization's problems on strategic level, and able to take appropriate solved action based on developed alternative, by applying entrepreneurial principles with local and global values
3. Able to develop decision making method on various type and functions of organization in order to solve various strategic managerial problems based on research, and able to develop the findings
4. Able to conduct high quality of research by using various method and tools through information and communication technology implementation.
5. Able to be a pioneer and agent of change through improvement effort of professional management practice based information and communication technology in specified and across industry.
6. Able to organize, lead, and develop research for useful development in knowledge and quality of life with nationally and internationally recognition.
7. Able to comprehend the research methodology in order to review the phenomenon in management to find the problem fact that support decision making in solving information and communication technology based problem to increase the performance in various type of organization

Prospective Career of the Graduates

The graduates 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

6.6 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

6.7 Doctor of Computer Science (DCS)

The Doctor of Computer Science (DCS) is a doctoral level program in Computer Science which emphasizes the Research and Development in state of the art topics in Computer Science. The DCS program offers concentrations in Information System and Computer Science which is designed to be accomplished with 45 SKS including dissertation in 6 (Six) semesters.

Each student will be fully involved with the draws on the faculty's diverse expertise and varied interests to develop high quality research uniquely suited to his or her interests. The program encourages students to gain research experience by working closely with faculty member on a variety of industry projects and on alignment of research roadmaps.

Vision

Become one of the globally recognized researches and development program in Computer Science.

Mission

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

1. Improving the welfare of society through world-class high quality education in Information Technology and Systems Information to produce qualified, professional, and competent graduates according to current and future needs of the nation.
2. Creating outstanding leaders for global community that participate in an important role in computer science and technology development that answer the society needs.
3. Improving the quality of life of Indonesians and the international community through contribution in economic and industrial development with continuous 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 completing the study, graduates are:

1. Able to produce software development methods using quality measurement that can be implemented in the software industry.

2. Able to provide a breakthrough solutions to the problems of inter and multidisciplinary using innovative discovery and state of the art technology approaches which are measured in terms of the quality of the solution.
3. Able to contribute in Research and Development in Computer Science either as scientific theoretical contribution and product development as well as engineering in computer science through inter and multidisciplinary research that proven and innovative.
4. Able to manage Research independently and teams in inter and multidisciplinary in the scopes of national and international that can be justified, tested, and innovated.
5. Able to contribute in community of Computer Science and Information Systems in initiating solutions of problems of national and global scope using Information Technology and Communcation.
6. Able to develop Research Road Map in a specific area either in Computer Science or 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 Colloquium (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

6.8 Course Description

6.8.1 Doctor of Research in Management (DRM)

PHIL9003 – PHILOSOPHY OF SCIENCE AND MANAGEMENT (2 Credits)

Learning Outcomes: On successful completion of this course, students will be able to: identify post-positivism paradigm in scientific programs; translate different scientific principles into management basic capabilities such as planning, organizing, self management and problem solving; learn about how certain model of management becomes dominant and the possibility of alternatives.

Topics: What is Philosophy of Science; Positivism in Philosophy of Science; The challenge of post-positivism; Popper and Falsification; Thomas Kuhn and Revolution of Science; Feyerabend and Anti Method; Imre Lakatos and Neo Popperian; Roy Bhaskar and Critical Realism; Philosophy of Science and Management.

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 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 Competitiveness

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

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

6.8.2 Doctor of Computer Science (DCS)

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.

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)

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 Characterizes with the concept of information and the relationship between information and knowledge; The intellectual foundation for and theoretical perspective of the subject's core areas; Create the Framework of information science's platform.

Topics: Introduction; 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); Probabilistic 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).

7. Internationalization Program

7.1 Introduction

As one of the largest and most successful private universities in Indonesia, BINUS is proud to keep growing our network of learning partners to offer our students high-impact learning experiences.

Do grab hold of such opportunities to gain a global experience, broader perspective, social understanding and culturally relevant skill sets. Come back and impact your fellow students to join other future study abroad programs.

Internationalization Program at BINUS UNIVERSITY focuses to provide the students to have an international experience during their study. The program covers:

- **Student Exchange and Study Abroad** (1 - 2 semesters), is a program which allows the students to go for one or two (maximum) semester(s) exchange at BINUS' partner institution with credits transfer opportunity.
- **Short Course Abroad**(1 - 4 weeks), in the format of summer/winter courses, usually on local language and cultural courses with excursions and trips. Some country destinations including China, Taiwan, Korea, Japan, Australia, United Kingdom, USA and many more.
- **Short Learning Visit / Immersion Program** (1 – 2 weeks), in the format of study tour, cultural exchange and other activities at foreign university or global institution abroad.
- **Internship Abroad**(1 month – 1 semester), a supervised practical training, in global industries / organization all over the world; attached with the respective department or through AIESEC.
- **Twining Program/Joint Degree**(min. 2 semester), a joint program with foreign university, combining curriculum and/or degrees. The participating students study at both universities consecutively (e.g. 3+1 scheme, 3 years at BINUS and 1 year at partner university), then get degrees from both universities at the end of the program.
- **Guest Lecture**, a lecture session inviting guest lecture from foreign university or global institution as the speaker.
- **Video Conference**, a joint session with foreign institutions for lecture/seminar with live interaction such as asking questions and discussion.

7.2 Student Exchange and Study Abroad

Why Join the Program? These are some of the benefits:

1. Credit transfer
2. World-class education
3. Certificate
4. International friends
5. Intercultural experience
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 the table below.

- **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 if able to provide/prove other type of awards, achievements, and so on*
5. Strong English or host country language skills
** English Proficiency Test, score min 550 (TOEFL ITP) or 79 (TOEFL iBT) or 6.00 (IELTS)*
** Lower score may apply if able to provide/prove other type of awards, achievements, and so on*
** TOEFL score from BINUS Center/BUEPT/Prediction score IS NOT acceptable*
6. Compatible course mapping (cooperation between student and Department with IO as a liaison).
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 – 15 January
Spring/Summer/Even Semester	15 May – 15 August

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 ** (<i>class delivered in Portuguese</i>)
	USA	Emporia State University
		Johnson & Wales University
University of Hawai'i at Manoa		
Asia	Brunei Darussalam	Universiti Brunei Darussalam
	Cambodia	Cambodian Mekong University
	China	Beijing Institute of Technology
		Beijing Normal University
		Fujian Normal University
	India	Chitkara University
		VIT University
	Japan	Kindai University
		Tama University
		Tokyo Metropolitan University
		Yamanashi Gakuin University
	Korea	Chung-Ang University
		Dankook University
		Dong-A University
		Dongguk University
		Duksung Women's University
		Hanyang University
		Inha University
		Kangwon National University
		Kookmin University
		Kyung Hee University
		Sejong University
		SolBridge International School of Business
		Sungkyunkwan University
		Woosong University ** (<i>class delivered in Korean</i>)
	Malaysia	Taylor's University
		Universiti Malaysia Sarawak
		Universiti Utara Malaysia
	Singapore	S P Jain School of Global Management
	Taiwan	Cheng Shiu University
		Chung Yuan Christian University
		National Chengchi University
		National Taipei University of Technology
Thailand	Bangkok University	
	Thammasat University	
	University of the Thai Chamber of Commerce	
United Arab Emirates	S P Jain School of Global Management	
Vietnam	FPT University	

Continent	Country	Student Exchange Partner Institution
Australia	Australia	Deakin University
		Queensland University of Technology
		S P Jain School of Global Management
		Victoria University
Europe	Belgium	ICHEC Brussels Management School
	Czech Republic	Tomas Bata University
	Finland	Kajaani University of Applied Sciences
	France	Burgundy School of Business
		ESC Rennes School of Business
		Groupe ESC Troyes – Champagne School of Management
		ÍÉSEG School of Management
		ISC Paris School of Management
	Germany	ISTC Ecole de communication
		Cologne Business School
	Netherlands	University of Bremen
		HAN University of Applied Sciences
		Hanze University of Applied Sciences
		Inholland University of Applied Sciences
		Rotterdam Business School
		Saxion University of Applied Sciences
Poland	University of Twente	
	Kozminski University	
Portugal	Polytechnic Institute of Coimbra	
Spain	Universidad Catolica San Antonio De Murcia** (<i>class delivered in Spanish, except for International Business is delivered in English</i>)	
Switzerland	FHS St. Gallen* (<i>applicable only Department of Business Administration</i>)	
AIMS (ASEAN International Mobility for Students) Program	Japan	University of Tsukuba* (<i>applicable for student majoring Japanese, International Business, International Business Management and Food Technology for AIMS Scholarship</i>)
		Waseda University* (<i>applicable for student majoring International Business Management and International Business for AIMS Scholarship</i>)
	Malaysia	University of Malaya* (<i>applicable for student majoring International Business Management and International Business for AIMS Scholarship</i>)
		UniversitiSains Malaysia* (<i>applicable for student majoring International Business Management and International Business for AIMS Scholarship; and available for regular exchange program - without AIMS Scholarship</i>)
		UniversitiTeknologi MARA* (<i>applicable for student majoring International Business Management, International Business, Hotel Management and Hospitality Tourism Management for AIMS Scholarship</i>)
	Philippines	Ateneo de Manila University* (<i>applicable for student majoring International Business Management and International Business for AIMS Scholarship</i>)
	Thailand	Mahidol University International College* (<i>applicable for student majoring International Business Management and International Business for AIMS Scholarship</i>)
		Prince of Songkla University* (<i>applicable for student majoring Hotel Management and Hospitality Tourism Management for AIMS Scholarship</i>)

* AIMS Scholarship Program is a scholarship program sponsored by Directorate of Higher Education (DIKTI) for an amount covering living costs, insurance, visa and airfare (round-way)

** Please notice some partner institutions only offer classes in their native language

Contact and Information

BINUS UNIVERSITY – International Office

Angrek Campus, R.331 (3rd floor)

Phone: +62 21 534 5830 ext. 1323, 1324 | Email: io@binus.edu | Website: www.io.binus.ac.id

Consultation Hours: Monday to Friday at 13.00 – 17.00