COLLEGE DIVISION

GENERAL INFORMATION

SCHOOL YEAR 2026 - 2027



ACADEMIC CALENDAR

SCHOOL YEAR 2026-2027

First Semester: July 13, 2026 – November 14, 2026

July 13, 2026, *Monday*	**First day of classes**
Aug. 17-20, 22, *Monday-Thursday, Saturday*	Preliminary Examinations
August 21, *Friday*	Martyrdom of Benigno Aquino
August 31, *Monday*	National Heroes' Day
Sept-Oct. 28-30, 1-3, *Monday-Saturday*	Midterm Examinations
November 1, *Sunday*	All Saints' Day
November 2, *Monday*	Special Non-working Day (Proc. No. 42)
November 9-14, *Monday-Saturday*	Final Examinations
November 30, *Monday*	Bonifacio Day

Second Semester: December 7, 2026 – April 24, 2027

December 7, 2026, *Monday*	**First day of classes**
December 8, *Tuesday*	Feast of the Immaculate Conception
December 21, *Monday*	Christmas Vacation Begins
January 4, 2027 *Monday*	Classes Resume
January 25-30, *Monday -Saturday*	Preliminary Examinations
February 6, *Saturday*	Chinese New Year
February 8-13, *Monday-Saturday*	University Week
February 9, *Tuesday*	Liberation Day of Mandaluyong City
February 25, *Thursday*	EDSA Revolution
March 8-9, 11-13, *Mon-Tues, Thurs-Sat*	Midterm Examinations
March 10, *Wednesday*	Eid-Ul Fitr
March 25-27, *Thursday-Saturday*	Holy Week
April 5-7, *Monday-Wednesday*	Final Examinations (Graduating)
April 9, *Friday*	Araw ng Kagitingan
April 19-24, *Monday-Saturday*	Final Examinations (Non-graduating)
May 1, *Saturday*	Labor Day
June 4, *Friday*	Commencement Exercises

Midyear Classes: May 10, 2027 – June 19, 2027

May 10, *Monday*	Start of Midyear Classes
May 16, *Sunday*	Eid Al Adha
June 5, *Saturday*	Midterm Examinations
June 12, *Saturday*	Independence Day
June 19, *Saturday*	Final Examinations

This academic calendar was prepared assuming that the legal holidays during the time it was prepared would remain as is for the school year. If additional days are declared as legal holidays (such as a succeeding Monday or a preceding Friday), then the university reserves the right to consider adjusting its calendar to ensure that contact hours are not unduly affected.

TABLE OF CONTENTS

	Page
ACADEMIC CALENDAR	**Inside Front Cover**
OFFICERS OF THE ADMINISTRATION	6
THE COLLEGIATE DIVISION	7
GENERAL INFORMATION	22
History of the University	22
Vision of the University	23
Mission of the University	23
Educational Organization Policy	23
Quality/Educational Organization Objectives	23
JRU Core Values	23
JRU Institutional Outcomes	24
Data Privacy	24
Location and Facilities	24
Programs Offered	26
Flexible/ Blended Learning	28
Admission Requirements	28
Enrolment Procedures	29
Identification and Library Cards	31
Changes in Registration	31
Tuition and Other Fees	32
Discounts	32
Withdrawals and Refunds	33
Rules of Discipline	36
Classification of Students	36
Attendance in Class	37
System of Grading	37
Correction of Grades	38
School Uniform	38
Physical Education and Athletics	38
National Service Training Program	38
Scholarships	39
A. Academic Scholarship	39
La Pluma Scholarship	39
Entrance Scholarship	40
Academic Scholarship A & B	40
B. Special Scholarship	40
JRU Alumni Association Scholarship	40
Presidential Decree No. 451 (PD 451)	40
Special Funded Scholarships	40
Special Military Scholarships	41
Transcript of Records	41
Graduation Requirements	41

Honors and Awards, and Dean's List Guidelines 42
Academic Dress 44
Graduate Attributes 44
CURRICULUM AND GROUP REQUIREMENTS 45
COLLEGE OF BUSINESS ADMINISTRATION AND ACCOUNTANCY 45
College Mission and Vision 45
Bachelor of Science in Accountancy
Program Educational Objectives (PEO) 46
Student Outcomes (SO) 46
Curriculum Requirements for BSA 47
Group Requirements for BSA 48
Bachelor of Science in Business Administration
Major in Accounting
Program Educational Objectives (PEO) 52
Student Outcomes (SO) 52
Curriculum Requirements for BSBA-Accounting Non-CPA 53
Group Requirements for BSBA-Accounting Non-CPA 54
Bachelor of Science in Business Administration
Major in Banking and Finance
Curriculum Requirements for BSBA-Banking and Finance 55
Group Requirements for BSBA-Banking and Finance 56
Bachelor of Science in Business Administration
Major in Marketing
Curriculum Requirements for BSBA-Marketing 57
Group Requirements for BSBA-Marketing 58
Bachelor of Science in Business Administration
Major in Economics
Curriculum Requirements for BSBA-Economics 59
Group Requirements for BSBA-Economics 60
Bachelor of Science in Business Administration
Major in Management
Curriculum Requirements for BSBA-Management 61
Group Requirements for BSBA-Management 62
Bachelor of Science in Business Administration
Major in Supply Management
Curriculum Requirements for BSBA-Supply Management 63
Group Requirements for BSBA-Supply Management 64
Bachelor of Science in Business Administration
Major in Legal Management
Program Educational Objectives (PEO) 65
Student Outcomes (SO) 66
Curriculum Requirements for BSLGM 66
Group Requirements for BSLGM 67
COLLEGE OF CRIMINAL JUSTICE EDUCATION 68
College Mission and Vision 68

Bachelor of Science in Criminology
Program Educational Objectives (PEO) 69
Student Outcomes (SO) 69
Curriculum Requirements for BS CRIM 70
Group Requirements for BS CRIM 71
COLLEGE OF COMPUTER STUDIES AND ENGINEERING 73
College Mission and Vision 73
Bachelor of Science in Computer Engineering
Program Educational Objectives (PEO) 73
Student Outcomes (SO) 73
Curriculum Requirements for BSCpE 74
Group Requirements for BSCpE 76
Bachelor of Science in Electronics Engineering
Program Educational Objectives (PEO) 78
Student Outcomes (SO) 78
Curriculum Requirements for BSECE 79
Group Requirements for BSECE 80
Bachelor of Science in Entertainment and Multimedia Computing Specialization in Digital Animation Technology and Specialization in Game Development
Program Educational Objectives (PEO) 83
Student Outcomes (SO) 84
Curriculum Requirements for BSEMC with Specialization in Digital Animation Technology 84
Group Requirements for BSEMC with Specialization in Digital Animation Technology 85
Curriculum Requirements for BSEMC with Specialization in Game Development 87
Group Requirements for BSEMC with Specialization in Game Development 88
Bachelor of Science in Information Technology
Program Educational Objectives (PEO) 90
Student Outcomes (SO) 90
Curriculum Requirements for BSIT 91
Group Requirements for BSIT 92
Bachelor of Science in Information Technology Specialization in Business Analytics
Program Educational Objectives (PEO) 94
Student Outcomes (SO) 94
Curriculum Requirements for BSIT with Specialization in Business Analytics 95
Group Requirements for BSIT with Specialization in Business Analytics 96
COLLEGE OF EDUCATION, ARTS, AND SCIENCES 97
College Mission and Vision 97

Bachelor of Arts Major in English Language Studies
Program Educational Objectives (PEO) 98
Student Outcomes (SO) 98
Curriculum Requirements for AB-English Language Studies 99
Group Requirements for AB-English Language Studies 100
Bachelor of Arts Major in History
Program Educational Objectives (PEO) 101
Student Outcomes (SO) 101
Curriculum Requirements for AB-History 102
Group Requirements for AB-History 102
Bachelor of Science in Applied Mathematics
Program Educational Objectives (PEO) 104
Student Outcomes (SO) 104
Curriculum Requirements for BSAM 105
Group Requirements for BSAM 106
Bachelor of Elementary Education and Bachelor of Secondary Education
Program Educational Objectives (PEO) 107
Student Outcomes (SO) 108
Curriculum Requirements for BEED 108
Group Requirements for BEED 109
Curriculum Requirements for BSED-English 111
Group Requirements for BSED-English 112
Curriculum Requirements for BSED-Mathematics 114
Group Requirements for BSED-Mathematics 115
Curriculum Requirements for BSED-Social Studies 116
Group Requirements for BSED-Social Studies 117
Curriculum Requirements for Teacher Education Program 119
Bachelor of Science in Psychology
Program Educational Objectives (PEO) 119
Student Outcomes (SO) 120
Curriculum Requirements for BS-Psychology 120
Group Requirements for BS-Psychology 120
COLLEGE OF HOSPITALITY AND TOURISM MANAGEMENT 122
College Mission and Vision 122
Bachelor of Science in Hospitality Management and Bachelor of Science in Hospitality Management Major in Cruise Management
Program Educational Objectives (PEO) 123
Student Outcomes (SO) 123
Curriculum Requirements for BSHM 124
Group Requirements for BSHM 125
Curriculum Requirements for BSHM-CM 127
Group Requirements for BSHM-CM 128
Bachelor of Science in Tourism Management
Program Educational Objectives (PEO) 130

Student Outcomes (SO) 131
Curriculum Requirements for BSTM 131
Group Requirements for BSTM 132
COLLEGE OF NURSING AND HEALTH SCIENCES 134
College Mission and Vision 134
Bachelor of Science in Nursing
Program Educational Objectives (PEO) 135
Student Outcomes (SO) 135
Curriculum Requirements for BSN 136
Group Requirements for BSN 137
DESCRIPTION OF COURSES 139
General Education and Mandated Courses 139
Business Administration and Accountancy
Department of Accounting and Law 144
Department of Economics, Finance, and Marketing 159
Department of Management and Supply Management 167
Criminal Justice Education
Department of Criminology 176
Computer Studies and Engineering
Department of Computer Engineering 184
Department of Electronics Engineering 193
Department of Information Technology 199
Department of Entertainment and Multimedia Computing 212
Education, Arts, and Sciences
Department of Education 220
Department of History and Social Sciences 230
Department of Languages 235
Department of Mathematics 242
Department of Natural Science 250
Department of Psychology 252
Hospitality and Tourism Management 257
Nursing and Health Sciences 271

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GENERAL INFORMATION

HISTORY OF THE UNIVERSITY

Jose Rizal University was originally founded as the Far Eastern College School of Accounts, Commerce, and Finance in 1919 as a non-stock, non-profit, non-sectarian private educational institution to blaze the trail in the field of commercial education. Its founder was the late Vicente Fabella, the first Filipino certified public accountant. The name was subsequently changed to Jose Rizal College in 1922, in honor of the great Filipino patriot and martyr who tried to awaken his countrymen in his writings to the need for economic self-sufficiency and independence.

The university was first located at R. Hidalgo Street in Quiapo, Manila. It offered a four-year bachelor's degree in Commerce as well as high school. It had continued to provide educational services since 1919 except during the Japanese occupation of the Philippines in World War II, when it remained closed as a gesture of protest despite repeated attempts by the occupation authorities at the time to have it opened.

The university reopened after the end of the war in 1945 and, faced with the need for expanded facilities, transferred in 1950 to its present site in Mandaluyong City, then part of the province of Rizal and subsequently Metro Manila.

The university is a founding member of the Philippine Association of Colleges and Universities (PACU) in 1932, the Philippine Association of Collegiate Schools of Business (PACSB) in 1962, the Private Education Retirement Annuity Association (PERAA) in 1974, and the Philippine Association of Personnel Management in Private Schools (PAPMIPS) in 1997.

In its more than 100 years of existence, the university has achieved the singular distinction of having produced a remarkable number of successful graduates who have enjoyed the respect of the nation. Among them are included a President of the Philippines, a justice of the Supreme Court, several members of the legislature and the Cabinet, some ambassadors, no less than twenty heads of banks and financial corporations, several heads of educational institutions, acknowledged leaders in the various fields of industry, commerce, agriculture, and trade, and armed forces officers of general rank. It can rightfully claim that it has contributed its share in the molding of character and training of successful graduates.

The careful combination of proven competence in instruction plus valuable experience in the practice of the profession has been the guide of the university in the selection of faculty members. This policy, combined with carefully planned

programs in various disciplines and adequate facilities, has formed the basis for the impressive educational record of the university.

VISION OF THE UNIVERSITY

JRU will be a market leader in the use of technology for innovation in teaching and learning to produce graduates of social importance.

MISSION OF THE UNIVERSITY

The university aims to develop its students to become useful and responsible citizens through the effective transfer of relevant knowledge and desirable values.

EDUCATIONAL ORGANIZATION POLICY

Jose Rizal University is committed to provide quality education, research and extension programs through compliance with stakeholder requirements, promotion of social responsibility, respect to intellectual property, continuous improvement of its organizational system, and the development of competent and professional teaching and non-teaching personnel, all to ensure efficient transfer of relevant knowledge and desirable values.

QUALITY/EDUCATIONAL ORGANIZATION OBJECTIVES

1. Continuously provide academic intervention to its students.
2. Continuously provide feedback loops in satisfying its client through metrics.
3. Demonstrate a keen sense of social responsibility.
4. Demonstrate knowledge in producing research outputs while adhering to intellectual property.
5. Maintain and continuously develop a competent workforce through effective performance management systems.
6. Maintain effective financial, technological, academic, and administrative planning and control systems to implement its goals and objectives.

JRU CORE VALUES

Our core values define how we behave individually and collectively, as inspired by the ideals of the founder. A Rizalian is:

- **Responsible.** A team player who is focused, attentive, gives one's best, and is committed to the goals of the university.

- **Considerate and Courteous.** A fair and caring person fully aware of others' rights, feelings, and ideals.
- **With Integrity.** A person who acts truthfully, morally, and ethically.

JRU INSTITUTIONAL OUTCOMES

A JRU graduate has the competencies and values in the disciplinal area completed such that he/she is a useful and responsible citizen of the country.

DATA PRIVACY

The university is committed to protect the privacy rights of its students (also known as data subjects) on personal information pursuant to the provisions of the Data Privacy Act of 2012. Students are urged to read and understand the privacy notice posted on the University website, which explains how the University collects, uses, retains, and discloses personal information of its data subjects. Questions about policy or any complaint regarding the treatment of privacy by the university may be communicated to the Data Privacy Officer.

LOCATION AND FACILITIES

Jose Rizal University is located at 80 Shaw Boulevard, Mandaluyong City, occupying three city blocks. It is accessible through public transport, which passes directly in front of and all around the school. It is located on high commanding ground and is surrounded by a wall. Located inside the spacious campus are modern reinforced concrete and well-ventilated multi-story buildings.

The air-conditioned main library is a glass-enclosed structure that occupies the ground and second floors of a 5-storey building fronting Shaw Boulevard. It contains a collection of over 110,000 titles in electronic and print form and is fully Wi-Fi enabled and computerized. Students are encouraged to browse the collections on the shelves or use library computer stations or laptops, or smartphones. A similarly equipped library in the eight-story Tower Building is for the use of the graduate and law students. Also, located in this building is the auditorium, which was completed in 1995.

At the heart of the main campus is the nine-storey Centennial Building, which was built and completed in 2021 to commemorate the 100 years of the University. It houses modern and technology-supported classrooms, a spacious and well-ventilated cafeteria, big and spacious learning commons supported by internet connectivity, and learning areas that can host group discussions and meetings. The building also features a modern University Auditorium with a seating capacity of 500 for various university events and activities.

The University has a modern speech laboratory designed to facilitate good and efficient communication systems between the teacher and the students, thus providing a modern way of employing the "Listen and Learn" principle.

All buildings house fully air-conditioned classrooms, laboratory rooms for the different science classes, computer laboratories, engineering laboratories, entertainment, and multimedia computing laboratories, kitchen, travel agency, hotel and dining laboratories, criminology laboratory, and nursing skills laboratories are equipped with Hyflex equipment with video conferencing system projectors and internet access suitable for a Hyflex class setup.

The Guidance and Testing Office offers professional and academic services both for individual and group testing. Students may request an in-person or online appointment with the guidance counselor through JRU SWIT or email support@jru.edu.

The Medical and Dental Clinic has a physician, dentist, and nurse on duty during school days. Students may request an in-person or online consultation through JRUSWIT or email support@jru.edu.

The University has an air-conditioned ecumenical prayer room where students can pray and meditate.

The Athletics and Physical Education facilities are located in the Gym Building—Annex Campus 3, where students can play basketball and other indoor sports and enjoy playing basketball and other indoor sports.

The University Bookstore has a complete stock of the required textbooks, school uniforms, and school supplies offered at reasonable prices. Students may, if they so prefer, obtain their textbooks and other school supplies elsewhere.

The International Student Services Office (ISS) is a project-based office that provides consolidated student services for enhanced support and guidance for international students, including registration, enrolment, document requests, visa assistance, and the like. This office is located at the Tower Building, Room T-12.

PROGRAMS OFFERED

The university offers programs leading to the following degrees:

Doctor in Business Administration (DBA)
Doctor in Public Administration (DPA)
Doctor of Education (EdD) Major in Educational Management
Doctor of Education (EdDS) Major in Sports Management

Master of Business Administration (MBA)
Master in Business Administration
Major in Entrepreneurship and Supply Management
Master in Public Administration (MPA)
Master in Public Administration Major in Public Health
Master of Arts in Education (MAEd)
Specialization in Educational Administration, Language Education, Mathematics, Special Education, and Guidance and Counseling
Master in Information Technology (MIT)
Master in Hospital Management (MHM)
Juris Doctor (JD)
Bachelor of Science in Accountancy (BSA)
Bachelor of Science in Business Administration (BSBA)
Major in Accounting, Economics, Banking, and Finance, Management, Marketing, or Supply Management
Bachelor of Science in Legal Management (BSLgM)
Bachelor of Science in Criminology (BS CRIM)
Bachelor of Science in Computer Engineering (BSCpE)
Bachelor of Science in Electronics Engineering (BSEcE)
Bachelor of Science in Entertainment and Multimedia Computing
Specialization in Digital Animation Technology (BSEMC-DAT)
Bachelor of Science in Entertainment and Multimedia Computing
Specialization in Game Development (BSEMC-GAD)
Bachelor of Science in Information Technology (BSIT)
Bachelor of Science in Information Technology
Specialization in Business Analytics (BSIT-BA)
Bachelor of Arts (AB)
Major in English Language Studies or History
Bachelor of Elementary Education (BEEd)
Bachelor of Secondary Education (BSEd)
Major in English, Mathematics, and Social Studies
Bachelor of Science in Applied Mathematics (BSAM)
Bachelor of Science in Psychology (BSPSY)
Bachelor of Science in Hospitality Management (BSHM)
Bachelor of Science in Hospitality Management
Major in Cruise Management (BSHM-CM)
Bachelor of Science in Tourism Management (BSTM)
Bachelor of Science in Nursing (BSN)

Diploma Course in Local Governance (DLG)
Teacher Certification Program (TCP)

Separate bulletins are available for the following units of the university, featuring specific programs which the university offers:

Graduate School
Law School
Senior High School
Junior High School
Elementary School

All university programs are recognized by the Commission on Higher Education (CHED) or the Department of Education (DepEd) of the government of the Republic of the Philippines.

The collegiate undergraduate programs in Business Administration, Liberal Arts, Information Technology, and Education have been granted Level IV status by the Philippine Association of Colleges and Universities Commission on Accreditation (PACUCOA) as confirmed by the Federation of Accrediting Agencies of the Philippines (FAAP) and qualified by the Commission on Higher Education. Likewise, PACUCOA has granted Level III status to Nursing, Computer Engineering, and Hospitality Management.

The Business Administration program has been designated as a Center of Excellence by the Commission on Higher Education. The University has also been granted Autonomous Status by CHED in recognition of its commitment and contribution to the advancement of quality higher education.

The University has consistently pursued internationally recognized quality standards as part of the University's commitment to continuous improvement and educational excellence. Since 2014, the University has maintained ISO certification, reflecting its sustained focus on quality assurance and effective institutional management. In 2024, JRU further strengthened its quality management system by becoming one of the first universities to be certified under ISO 21001:2018, the international standard for Educational Organizations Management Systems. This certification affirms the University's commitment to effective educational management and the delivery of quality academic and support services.

The University has also earned Great Place to Work® certification, recognizing its efforts to foster a positive and supportive workplace culture. In addition, JRU received a Three-Star rating under the Quacquarelli Symonds (QS) Stars Rating System. JRU is among the first private universities rated in 2021.

Collectively, these recognitions demonstrate the University's continuing pursuit of institutional effectiveness, stakeholder satisfaction, and the enhancement of its academic programs, services, and organizational systems.

Finally, the University implements a Continuous Improvement Process (CIP) for all its programs and courses. Accordingly, the curricula and other program requirements presented herein may be subject to change. Any revisions or adjustments shall be made in accordance with applicable CHED policies, standards, regulations and requirements.

FLEXIBLE/BLENDED LEARNING

Jose Rizal University is committed to integrating educational technology into its teaching and learning processes to provide students with a flexible, engaging, and high-quality learning experience. This is achieved through the use of a Learning Management System (LMS) and other digital learning technologies that support both flexible and blended learning.

The University's primary learning modality is full onsite (face-to-face) instruction with the adoption of the HyFlex teaching and learning model whenever necessary. Under this approach, classes may be conducted through a combination of face-to-face and blended online learning to accommodate instructional and student needs. This learning environment is supported by video conferencing platforms such as Microsoft Teams and other digital learning tools, enabling students who are unable to attend classes physically to participate simultaneously in classroom discussions and learning activities alongside their teachers and classmates.

Within their course, students participate in synchronous and asynchronous learning activities, including discussions, group projects, laboratory exercises, assessments, and other learning experiences.

ADMISSION REQUIREMENTS

Only graduates of the general academic secondary curriculum will be considered for college admission. Graduates of vocational, agricultural, and similar high schools must remedy deficiencies from the general academic secondary curriculum before being considered for admission.

Students desiring to enroll in the first year of college should present the admission requirements such as SF9 (formerly DepEd Form 138 - high school report card), Birth Certificate, and Certificate of Good Moral Character (not applicable for new students who graduated from JRU), ID photo, preferably 2x2 inches in size, and

duly accomplished online application form. High School diplomas are not acceptable as entrance credentials. In cases where the admission credentials are deficient, incomplete, or cannot be substantiated at the moment, an Undertaking Form shall be executed by the applicant. For ALS/PEPT passers, an original copy of the Certificate of Rating issued by the respective Bureau under DepEd in replacement of SF9 and other admission requirements identified should be submitted.

Transfer students may be admitted subject to prior evaluation and approval of their transfer credentials by the Dean and the University Registrar. The transfer student should submit the duly accomplished online application form, Official Transcript of Records or true copy of grades, Honorable Dismissal/transfer credentials, Certificate of Good Moral Character, PSA Birth Certificate, ID photo, preferably 2x2 inches in size, and photocopy of Marriage Contract for married female student, if applicable.

Foreign nationals seeking admission should present the Study Permit or Working Visa issued by the Bureau of Immigration, Original Student Record/authenticated student record (Apostille), photocopy of passport, and ID photo, preferably 2x2 inches in size. Once enrolled, a copy of their Alien Certificate of Registration Identity Card (ACR I-Card) as certified and a Student Visa issued by the Bureau of Immigration. Students with alien surnames or dual citizenship but claiming Filipino citizenship should comply with government requirements for the presentation of acceptable proof of their citizenship or a Government Certificate of Recognition as a Filipino Citizen.

The university reserves the right to decline any application for admission to the university which does not conform to its policies, rules, and regulations.

Admission requirements for students enrolling in the Graduate School and the Law School are outlined in separate bulletins.

ENROLMENT PROCEDURES

Registration is the process of formally assigning and recording the enrolment of a student in a course or courses required in a particular degree program.

The enrolment system can be accessed online to facilitate a convenient and efficient registration process. Students enrolling at Jose Rizal University for the first time must access the Admission Hub (AdHub), complete the required application information, and upload the necessary admission credentials for evaluation. Applicants who prefer onsite enrolment must submit the original copies of their admission credentials to the Admissions Office.

For new students, the admissions staff will verify the applicant's information in the system, evaluate the submitted credentials and process the application. Once the applicant is officially admitted, the designated enroller will register the student's courses and class schedules and issue the Enrolment Permit. Students may pay their fees through JRU Cashier. When the payment is posted, the student's login credentials will be sent to the alternate email address indicated in the student's profile. Once the login credentials have been received, students may access their Student Dashboard to view their enrolled courses, class schedule, and other relevant academic information.

For old students, courses are prescribed prior to enrolment based on the requirements of their program curriculum. Whether enrolling onsite or remotely, students may access the Student Dashboard to view their prescribed courses and assessment, print their Enrolment Permit, and pay the school fees based on the assessment through the JRU Cashier or any authorized JRU payment facility listed on the JRU Website/Enrolment Hub. The registration of old students is guided through the JRU SWIT. The system evaluates the student's curriculum completion status and automatically identifies the courses to be taken based on the prescribed program curriculum. The student reviews and confirms the course load and selects the preferred payment option.

The system will prescribe the courses in which the students should enroll in accordance with their curriculum requirements and particular course of study and any deviation must have the approval of the College Dean. The enroller should not select courses on behalf of the students except when most of the courses are already closed. Advice should be limited, as much as possible, to sequence and prerequisites for the various courses.

A student is considered officially enrolled only after he/she has (1) submitted all the required admission credentials for new applicants and transfer students; (2) been issued an Enrolment Permit (EP), whether in printed form or accessible through the Student Dashboard; and (3) paid an initial required payment of school fees. Online submission of documents will place the students for temporary enrolment.

Students who deliberately make a false statement or conceal material information on a university document may have their registration canceled and be ineligible for subsequent registration.

Students are responsible for knowing about course prerequisites and the sequence for the course chosen. If students enroll in a course for which they are not qualified, the university reserves the right to cancel their registration even after the

enrollment period; if for any reason they obtain a passing grade, they will not be given credit.

Students whose registration has been completed have entered into a contractual agreement and will be considered students of the university during the term for which they are registered unless their connection with the university is officially severed by withdrawal, dismissal, or expulsion.

Upon admission, students are subject to the announcements, policies, rules, and regulations of the university and any amendments thereto, posted on bulletin boards, the JRU website, official social media accounts, learning management system, and student dashboard.

IDENTIFICATION AND LIBRARY CARDS

A student identification card is provided to registered students. The ID card issued will also serve as the library card of students and is required when borrowing books from the library and for other on-campus identification purposes. In the event that the card is lost, destroyed, or damaged, a replacement card may be obtained from the Information Technology Office upon payment of a fee.

CHANGES IN REGISTRATION

Students are responsible for the completeness and accuracy of their registration. They must ensure that there is no discrepancy between the program and course they are following and that which is recorded in the Registrar's Office and that all changes are reported promptly to the Registrar, as students may receive credit for only the courses in which they are officially registered according to the records of the Registrar.

A student may not take courses for which they have not registered and may not drop a course without permission.

Changes in registration are allowed only under the circumstances indicated in the university's policies and must be made within two weeks after the beginning of classes. Enrolment adjustments or changes shall be applied online through the Enrolment Adjustment Request in the Student Dashboard. All applications for changes are subject to online evaluation by the designated evaluators and online approval by the Dean and/or the Registrar. No further changes may be made after that period, and changes in course made without the approval of the Deans and Registrar will not be given credit.

TUITION AND OTHER FEES

The tuition for the semester or for the midyear for each student will depend upon the total number of units taken. Miscellaneous and other fees may be charged depending on the program and course enrolled. The tuition and miscellaneous fees details are available at the Student Accounts Section of the Accounting Office

A "prompt payment discount of 10% of the tuition fee is given if full payment of all tuition and miscellaneous fees is made on or before the 7th calendar day after the opening of classes (Prompt Payment Discount). However, if payment is made through a credit card, the "prompt payment discount" is reduced to 7.5%.

Further information about the prompt payment discount schedule and the deadline for enjoying such privilege may be obtained at the Student Accounts Section of the Accounting Office in Room A-13.

Students who will pay tuition and miscellaneous fees after the prompt payment discount period but on or before the 15th day from the opening of classes can no longer avail of the prompt payment discount and will be charged the full published rate.

Students who are not able to pay tuition and miscellaneous fees in full after the 15th calendar day from the opening of classes shall automatically be considered as paying on an "installment basis" and shall be charged the installment rates.

The last day of enrolment without a fine is the first day of regular classes. Any student who is allowed to enroll after the said date shall be considered as a late enrollee and is subject to the late enrolment fine.

A student is not considered enrolled unless the tuition or the first installment payment has been paid, in addition to other requirements for enrolment.

Please note that students with delinquent accounts shall be subject to penalties. This includes students who do not settle financial obligations to the university on time and those who issue "bounced checks."

DISCOUNTS

Discounts and other tuition fee reductions are also available subject to the approval of the concerned office head upon submission of the required documents. Details on the application or discounts or discount availments are available in the Student Accounts Section of the Accounting Office.

WITHDRAWALS AND REFUNDS

A distinction is made between students who officially withdraw and students who drop. Full withdrawal is permitted within thirty (30) days after the beginning of classes, provided the university is notified promptly. The student shall apply online using the Enrolment Adjustments request in the Student Dashboard (Application for Change of Subject/Section/Load and Withdrawal Form (F-REG-004) and be approved by the respective Dean and the Registrar. Any deserving exception on the application for full withdrawal shall be referred to the Vice President for Academic Affairs for approval. When no written notification is made, the student is considered dropped and charged in full for the entire semester, regardless of the actual attendance.

Refunds (Cash and Published rates)

Subsequent to enrolment, if the student officially withdraws his/her enrolment for any reason within fifteen (15) calendar days after the opening of classes, the university shall refund all payments already made but will charge the student the amount of Two Thousand Eight Hundred Pesos (Php 2,800.00) as processing fee. If the student withdraws only a portion of his/her enrolment, the university shall refund the portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn that has already been paid by the student, provided that the student has properly filed the appropriate JRU Form for dropping of courses. The student shall be charged the appropriate amount for dropping of courses, except when the withdrawal of the course is due to the failure of a prerequisite for the course, his/her knowledge having been obtained after his/her enrolment due to failure of the faculty to submit the final grade on time. In which case, the student shall not be charged any amount.

If a student officially notified the university of the withdrawal of his/her enrolment for any reason more than fifteen (15) calendar days, but not more than thirty (30) calendar days after the beginning of classes, the student shall be charged 25% of the total published tuition and miscellaneous fees due. This shall be in addition to the appropriate charges imposed for dropping the courses, except when the withdrawal of the course is due to the failure of a prerequisite for that course, his/her knowledge having been obtained after his/her enrolment due to failure of faculty to submit the final grade on time. In which case, the student shall not be charged any amount, and the university shall refund that portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn, which has already been paid by the student. This policy shall be imposed regardless of whether or not the student has been attending his/her classes.

If a student officially notified the university of the withdrawal of his/her enrolment for any reason more than thirty (30), but not more than forty-five (45)

calendar days after the beginning of classes, the student shall be charged 50% of the total published tuition and miscellaneous fees due. This shall be in addition to the appropriate charges imposed for dropping the courses, except when the withdrawal of the course is due to the failure of a prerequisite for that course, his/her knowledge having been obtained after his/her enrolment due to failure of the faculty to submit the final grade on time. In which in case, the student shall not be charged any amount, and the university shall refund that portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn, which has already been paid by the student. This policy shall be imposed regardless of whether or not the student has been attending his/her classes.

If a student officially notified the university of the withdrawal of his/her enrolment, for any reason more than forty-five (45) calendar days after the beginning of classes, the student shall be charged 100% of the total published tuition and miscellaneous fees due. This shall be in addition to appropriate charges imposed for dropping the courses, except when the withdrawal of the course is due to the failure of a prerequisite for that course, his/her knowledge having been obtained after his/her enrolment due to failure of the faculty to submit the final grade on time. In which in case, the student shall not be charged any amount, and the university shall refund that portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn, which has already been paid by the student. This policy shall be imposed regardless of whether or not the student has been attending his/her classes.

A student is deemed to have officially withdrawn if he/she has properly filed the appropriate JRU Form for withdrawal or dropping of courses.

Refunds (Installment Basis)

Subsequent to enrolment, if the student officially withdraws his/her enrolment for any reason, within fifteen (15) calendar days after the opening of classes, the university shall refund all payments already made but will charge the student the amount of Two Thousand Eight Hundred Pesos (Php 2,800.00) as processing fee. If the student withdraws only a portion of his/her enrolment, prior to the start of the classes, the university shall refund the portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn that has already been paid by the student provided that the student has properly filed the appropriate JRU Form for dropping of courses. The student shall be charged the appropriate amount for dropping of courses, except when the withdrawal of the course is due to the failure of a prerequisite for the course, his/her knowledge having been obtained after his/her enrolment due to failure of the faculty to submit the final grade on time. In which case, the student shall not be charged any amount.

If a student officially notified the university of the withdrawal of his/her enrolment for any reason more than fifteen (15) calendar days but not more than thirty (30) calendar days after the beginning of classes, the student shall be charged 25% of the total installment tuition and miscellaneous fees due. This shall be in addition to the appropriate charges imposed for dropping the courses, except when the withdrawal of the course is due to the failure of a prerequisite for that course, his/her knowledge having been obtained after his/her enrollment due to failure of faculty to submit the final grade on time. In which in case, the student shall not be charged any amount, and the university shall refund that portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn, which has already been paid by the student. This policy shall be imposed regardless of whether or not the student has been attending his/her classes.

If a student officially notified the university of the withdrawal of his/her enrolment for any reason more than thirty (30) but not more than forty-five (45) calendar days after the beginning of classes, the student shall be charged 50% of the total installment tuition and miscellaneous fees due. This shall be in addition to the appropriate charges imposed for dropping the courses, except when the withdrawal of the course is due to the failure of a prerequisite for that course, his/her knowledge having been obtained after his/her enrollment due to failure of the faculty to submit the final grade on time. In which in case, the student shall not be charged any amount, and the university shall refund that portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn, which has already been paid by the student. This policy shall be imposed regardless of whether or not the student has been attending his/her classes.

If a student officially notified the university of the withdrawal of his/her enrolment, for any reason, more than forty-five (45) calendar days after the beginning of classes, the student shall be charged 100% of the total installment tuition and miscellaneous fees due. This shall be in addition to appropriate charges imposed for dropping the courses, except when the withdrawal of the course is due to the failure of a prerequisite for that course, his/her knowledge having been obtained after his/her enrollment due to failure of the faculty to submit the final grade on time. In which in case, the student shall not be charged any amount, and the university shall refund that portion of the tuition and any directly corresponding miscellaneous fees pertaining to the course withdrawn, which has already been paid by the student. This policy shall be imposed regardless of whether or not the student has been attending his/her classes.

A student is deemed to have officially withdrawn if he/she has properly filed the appropriate JRU Form for withdrawal or dropping of courses.

RULES OF DISCIPLINE

Students whose registration has been completed agree to abide by the policies, rules, and regulations of the university, accept the program of study prescribed, and meet the tests required as to attendance, diligence in study, and personal conduct. Failure on their part in any of these respects empowers the university to take disciplinary action. The continuance upon the rolls and the graduation of each student, the awarding of academic credits, and the granting of any certificate or degree are strictly subject to the disciplinary authority of the university.

By enrolling in the university, students/parents/guardians acknowledge and agree that they shall abide by all the policies and procedures of the university regarding enrolment acceptance and retention; all school fees payment and collection; withdrawal or dropping policies; and all those policies and procedures contained in this General Information or any other Policies and Procedures Handbook now existing or will come to existence within the duration of their enrolment.

Students/parents/guardians further acknowledge and agree that should they violate any of these policies, the university has the absolute right to enforce sanctions and penalties upon them as called for in this Handbook, including barring a student from taking examinations and being dropped from the enrolment rolls if necessary.

In order to safeguard and conserve the objectives of the university and those ideals of scholarship and moral atmosphere, which are the very purpose of its founding and maintenance, the university reserves the right, and the student concedes to the university the right to dismiss, exclude or require the withdrawal of any student from the university or from any class or classes, whenever, in the interest of the student, the student body or the university, the Dean deems it advisable to do so under the policies, rules, regulations or traditional practices of the university.

CLASSIFICATION OF STUDENTS

University students are classified as regular students and special students. Regular students are those who are graduates of high schools of recognized standing and who are admitted to credit courses as a candidate for a degree or a diploma. Special students are those who do not desire credits for their studies.

Students in four-year degree programs are also classified into:

(1) Freshmen, or students who have finished less than 75 percent of the total required units for the first-year curriculum;

(2) Sophomores, or students who have finished at least 75 percent of the total required units for the first-year curriculum;
(3) Juniors, or students who have finished at least 85 percent of the total required units for the first-year to the second-year curriculum; and
(4) Seniors or students who have finished at least 90 percent of the required units for the first year to the third-year curriculum.

FOS, Pathfit 1 to Pathfit 4, and NSTP 1 & 2 are academic courses. Thus, they are included in the percentage computation indicated in the Students' Classification. Ideally, these courses must be completed by the 2nd year, 2nd semester, to be considered regular students.

ATTENDANCE IN CLASS

Punctual attendance is required of all students. Excessive tardiness may be considered as absences at the discretion of the faculty.

A student who has incurred absences of more than 20% of the required total number of classes and laboratory periods in a given term will not be given credit and may constitute adequate grounds for dismissal at the discretion of the University.

SYSTEM OF GRADING

Each credit course for which the student is registered is given a final grade at the end of the semester. The table shown below constitutes the official grading system used by the faculty in arriving at final assessments of student performance.

The University uses the decimal system of grading, that is, 1.0, 1.1, 1.2, etc. For the convenience of the students, a table of conversions follows:

1.0	100%	2.5	85
1.1	99	2.6	84
1.2	98	2.7	83
1.3	97	2.8	82
1.4	96	2.9	81
1.5	95	3.0	80
1.6	94	3.1	79
1.7	93	3.2	78
1.8	92	3.3	77
1.9	91	3.4	76
2.0	90	3.5	75
2.1	89	5.0	Failure
2.2	88	NC	No Credit

2.3	87	WD	Withdraw (student officially drops
2.4	86		after the start of classes)

The final grade of 4.0 (conditioned) is not granted. A grade of NC is equivalent to 5.0.

CORRECTION OF GRADES

Correction of final grades in any course is allowed only within one year.

SCHOOL UNIFORM

Jose Rizal University prides itself on the way students reflect the University's culture and values through their appearance. As such, students are expected to follow the general rules on the wearing of the school uniform, as explained in the Student Handbook.

PHYSICAL EDUCATION AND ATHLETICS

Physical education is required for all students, but exemptions may be granted for physical incapacity certified by the University physician.

The University has adequate athletic facilities on campus. The active participation of a student in organized intramural activities or any sports activity recognized by the national sports association concerned or by the Commission on Higher Education and/or the Department of Education, whether individually or as a team member, shall be considered as compliance with the Physical Education requirements for the school term in which participation took place.

The University is an active member of the National Collegiate Athletic Association (NCAA), and the intercollegiate athletics program consists of varsity teams in basketball, football, track and field, lawn tennis, table tennis, volleyball, and chess. Students enjoy certain privileges in connection with attendance at NCAA games.

A comprehensive intramural sports and recreation program is sponsored by the entire University, and students are encouraged to participate in these sports and recreation. Awards are given for group and individual excellence.

NATIONAL SERVICE TRAINING PROGRAM

Republic Act 9163 established the National Service Training Program (NSTP), which shall form part of the curricula of all baccalaureate degree programs and at least two (2) year technical-vocational programs and is a prerequisite for graduation.

The program consists of the following service components:

a) Reserve Officers Training Corps (ROTC), which is optional and voluntary;
b) Civic Welfare Training Service;
c) Literacy Training Service.

All incoming freshmen students, male or female, are required to complete one (1) NSTP component of their choice as a graduation requirement. Each of the aforementioned NSTP program components shall be undertaken for an academic period of two (2) semesters.

All program components shall emphasize citizenship training and instill patriotism, respect for rights, and adherence of civilians to the Constitution.

SCHOLARSHIPS

A number of scholarships are granted each year to applicants who can fulfill the requirements prescribed by the University, making it possible for deserving students to further their studies in spite of possible financial difficulties. These scholarships may not be transferred.

As a general statement, the University reserves the right to review, discontinue, and adjust scholarship parameters at any time as it deems required for all scholarships and financial assistance mentioned below.

A. ACADEMIC SCHOLARSHIP

La Pluma and Academic Scholarships are made available to encourage deserving students to enroll and finish their studies at JRU.

LA PLUMA SCHOLARSHIP

All incoming first-year college students who have been certified by their Senior High School Principal as belonging to the top 10 of the whole graduating batch of the Senior High School, with at least 80 graduating students from any DepEd recognized school is qualified as La Pluma scholars for their two (2) school years in JRU provided they enroll in JRU in the school year immediately following their year of graduation from Senior High School. This scholarship entitles students to a 100% tuition and 100% miscellaneous fees discount, reimbursement of the cost of all textbooks, and inclusion in the "Academic Scholars' Mentoring Program." In addition, incoming "Valedictorians" or Top 1 are entitled to P1,000.00 monthly allowances.

ENTRANCE SCHOLARSHIP

This scholarship is given to incoming first-year students who obtained the Top 3 Highest Score (Entrance Scholarship A) and Above Average Scores (Entrance Scholarship B) scores in the JRU scholarship examination.

ACADEMIC SCHOLARSHIP A AND B

Academic scholarships A and B are also available to students, which entitle them to various tuition and miscellaneous fee discounts. Existing JRU students carrying a regular load following the sequence of courses based on the effective and approved curriculum year for the previous semester and have no failure in any courses since freshman, who obtains a final GPA of 1.50 with no grade lower than 1.75 (for Academic A scholarship) or obtains a final GPA of 1.75 with no grade lower than 2.00 (for Academic B scholarship), may qualify for a scholarship.

B. SPECIAL SCHOLARSHIP

JRU ALUMNI ASSOCIATION SCHOLARSHIP

The Jose Rizal University Alumni Association (JRUAA) maintains a number of academic scholarships for students to pursue and obtain a bachelor's degree at Jose Rizal University. This scholarship is intended to assist deserving students with an academic promise to further their studies. This includes free tuition and other school fees. The JRUAA will determine every year how many scholars can be funded by the program.

PRESIDENTIAL DECREE NO. 451 (PD 451)

This scholarship is for the indigent who wish to study but have financial difficulties. The deserving students will enjoy a 100% discount on tuition for the duration of his/her stay in the University upon completion of scholarship requirements and approval of the University President.

SPECIAL FUNDED SCHOLARSHIPS

This scholarship is open to all officially enrolled students who show exceptional promise as recommended by the VP Academic Affairs and approved by the University President. Successful applicants will enjoy a 100% discount on tuition, a 100% discount on miscellaneous fees, and other fees applicable for one semester and renewable upon completion of scholarship requirements.

SPECIAL MILITARY SCHOLARSHIP

This scholarship is open to the dependents of military personnel who die or are incapacitated in the line of duty. An approved copy of eligibility issued by the Armed Forces of the Philippines Educational Benefit Committee (AFPEBC) is submitted to the VP of Financial Affairs. Successful applicants will enjoy a 100% discount on tuition and a 100% discount on miscellaneous fees for the duration of his/her stay at the university.

For additional inquiries on other scholarships, please get in touch with the Guidance and Testing Office (GTO) at 8531-8031 local 32 or email support@jru.edu. You may also visit the office on the 2nd floor of Building H, Room 212.

TRANSCRIPT OF RECORDS

An Official Transcript of Records (OTR) is issued to students who have fulfilled all the requirements of the University and who have submitted all required credentials and records from any previously attended educational institutions, when applicable.

While the University endeavors to process transcript requests as quickly as possible, requests should be submitted online through the Registrar's Online Application for Documents. Currently enrolled students may access this service through their Student Dashboard, while former students and alumni may submit their requests through the University website at **www.jru.edu.**

A student is responsible for consulting with the student advisers and/or the Registrar to determine eligibility for the degree or title for which he/she desires to qualify and to ensure that all program requirements have been met. An application for graduation should be filed online with the Registrar's Office within the prescribed period after the beginning of classes during the student's final semester of residence at the University. Failure to submit the application within the prescribed period may result in the student not being included in the list of candidates for graduation for the corresponding academic term.

GRADUATION REQUIREMENTS

A student is responsible for consulting with the student advisers and/or the Registrar to determine eligibility for the degree or title for which he/she desires to qualify and to ensure that all program requirements have been met. An application for graduation should be filed online with the Registrar's Office within the prescribed period after the beginning of classes during the

student's final semester of residence at the University. Failure to submit the application within the prescribed period may result in the student not being included in the list of candidates for graduation for the corresponding academic term.

No candidate for a title or a degree shall be permitted to graduate or participate in the Commencement Exercises unless the following requirements have been satisfactorily fulfilled.

Academic Requirements. A candidate for graduation must have: (1) graduated from a senior high school of recognized standing; (2) fulfilled the group requirements for graduation as specified in the General Information; and (3) obtained satisfactory grades in all courses. Candidates shall be responsible for verifying whether all required courses have been taken and passed.

Financial Requirements. A candidate for graduation must have settled all financial obligations with the University not later than the end of the second semester of the school year.

Residence Requirements. A candidate for graduation must have obtained at least sixty (60) units of academic credit from the University and must have been in residence during the last two years of the degree program.

School Record Requirements. No candidate for a title or a degree shall be permitted to graduate or participate in the Commencement exercises unless his/her scholastic records, such as Form 137 or Official Transcript of Records from the previous school attended, have been received by the Registrar's Office.

HONORS AND AWARDS

Candidates for honors shall be evaluated based on academic grades, residence, and conduct**.**

Candidates for graduation with bachelor's degrees may qualify for Latin Honors upon meeting the following requirements:

I. Summa Cum Laude

1. Must have completed all four curriculum years at Jose Rizal University.
2. Must have a General Point Average (GPA) of not lower than **1.200**.
3. Must have no final grade lower than **2.500** in any academic course, including PE and NSTP.

II. Magna Cum Laude

1. Must have completed all four curriculum years at Jose Rizal University.
2. Must have a General Point Average (GPA) of not lower than **1.500**.
3. Must have no final grade lower than **2.500** in any academic course, including PE and NSTP.

III. Cum Laude

1. Must have earned at least ninety (90) units of academic credit at Jose Rizal University, including the last two curriculum years.
2. Must have a General Point Average (GPA) of not lower than **1.750**.
3. Must have no final grade lower than **2.500** in any academic course, including PE and NSTP.

Residence and conduct shall be considered limiting factors. Thus, candidates who meet the academic requirements may still be disqualified due to insufficient residence or poor conduct.

For **transferee students**, grades earned from other colleges or universities shall be included in the computation of the GPA only when the corresponding courses are credited toward the student's current curriculum. The student must also meet the prescribed minimum grade requirements.

For **students who shift degree programs**, only courses required in and credited toward the current curriculum shall be included in the computation of the GPA for Latin Honors. The student must likewise meet the prescribed minimum grade requirements.

Final marks of **Withdrawal** and **Dropped** shall not be included in the GPA computation. However, grades of **Incomplete, Conditioned, No Credit (NC), and 4.0** shall be considered failing grades equivalent to **5.0** if no action is taken within one (1) year from the date the provisional grade was given.

A final grade of **5.0** in any course shall disqualify a student from Latin Honors if the student subsequently shifts to or begins another degree program and requests the crediting of any course from the degree program in which the failing grade was incurred.

The same rule shall apply to a transferee student who obtained a failing grade from the school of origin and requests the crediting of courses from the degree program or academic record in which the failing grade was obtained.

However, a failing grade obtained in a previous degree program shall not affect eligibility for Latin Honors in a subsequent degree program, provided that the student completes the subsequent degree program in its entirety and does not request the crediting of any course from the previous degree program.

A failing grade obtained in **Senior High School** shall not affect eligibility for Latin Honors in the College Division. Likewise, a failing grade obtained in the **College Division** shall not affect eligibility for academic honors in the Law School or Graduate School Division.

ACADEMIC DRESS

Specific academic dress, incorporating the predominant University colors of blue and gold, may be worn for each degree granted by the University. Full details may be obtained from the Office of the Registrar (Bldg A. Room A-20).

GRADUATE ATTRIBUTES

Graduate attributes are defined qualities, skills, and attitudes that graduates should possess when they have completed their course of study. A graduate Rizalian is:

GA1: Critical and creative thinker
Applied the logical and disciplined process of rationalizing, analyzing, evaluating, and interpreting information to conceive innovative ideas or solutions.

GA2: Effective Communicator and Collaborator
Uses diverse communication platforms to effectively engage with others in a variety of roles and interests to build shared understanding and achieve outcomes productively and efficiently

GA3: Lifelong Learner
Engages in reflective learning focused on continuous professional and personal improvement.

GA4: Ethical and Responsible Citizen
Practices high ethical standards of work driven by a strong sense of personal and social responsibility to perform works and services that provide solutions to the problems in society.

GA5: Has Professional Competence
Demonstrate broad professional knowledge, attitudes, and skills required to deliver effective work performance in various workspaces in the organization.

GA6: Technology-enabled Professionals
Utilizes suitable ICT tools and technologies as a practicing professional resilient to any industry and technological advances.

CURRICULUM AND GROUP REQUIREMENTS

The curriculum and group requirements are designed to serve as a guide to program planning and are subject to specific determination and consultation with student advisers.

The general education components of the various undergraduate curricular offerings are designed to equip the students with the knowledge, skills, and values essential to become educated persons.

In addition, the curriculum and group requirements of the different programs of study undergo review when deemed necessary in line with the University's thrust for continuous improvement. The University reserves the right to adjust this general education and other curricular offerings as needed. Students at all levels will be required to meet any modifications arising from the adjustment upon notification from the University.

COLLEGE OF BUSINESS ADMINISTRATION AND ACCOUNTANCY

Mission

To empower students with a strong foundation in business administration and accountancy, enabling them to become professionals who are ethical, innovative, and socially conscious, guided by strong values in their contribution to the betterment of society.

Vision

To be a leading institution in business education, shaping the future of business through innovative teaching, research, and community engagement, driven by technology and committed to fostering ethical and socially responsible leaders.

ACCOUNTANCY PROGRAM

Within the context of, and in addition to, the stipulated objectives of the

University, the BSA program seeks to produce competent, professional accountants capable of making a positive contribution over their lifetimes to the profession and society in which they work. To achieve this goal, the program provides a foundation of professional knowledge, professional skills, and professional values and attitudes that enable them to continue to learn and adapt to change throughout their professional lives.
These capabilities will enable professional accountants to identify problems, know where to find this knowledge, and have the know-how to apply it in an ethical manner to achieve appropriate solutions.

In addition to the aforementioned objective, the BSA program of the University also strives to prepare students for the CPA licensure examinations and employment in private establishments and government agencies.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Accountancy (BSA) program, the graduate will:

1. excel in their profession/career utilizing the knowledge acquired in the BS Accountancy program;
2. become effective collaborators and innovators in solving accounting issues, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the Bachelor of Science in Accountancy (BSA) program shall be able to:

a. take the Certified Public Accountant (CPA) examination by showing excellence in financial accounting and reporting, auditing, advanced financial accounting and reporting, management advisory services, a regulatory framework for business transactions and taxation;
b. exhibit accounting and auditing skills for employment in private establishments and government agencies; and
c. express oneself clearly and effectively with stakeholders in oral or written form using Information and Communication Technology (ICT) skills; and
d. demonstrate social responsibility with high personal, moral, and ethical standards.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN ACCOUNTANCY

FIRST YEAR

First Semester	Units	Second Semester	Units
ACC C101 Financial Accounting & Report 1 w/CFAS	6	ACC C102 Financial Accounting & Report 2	6
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	NSC C202 Science, Technology & Society	3
MAT C101 Mathematics in the Modern World	3	NST C102 National Service Training Program 2	3
NST C101 National Service Training Program 1	3	PED C102 (PATHFIT 2)	2
PED C101 (PATHFIT 1)	2	PHI C102 Ethics	3
PSY C101 Understanding the Self	3	SSC C102 Contemporary World	3
	6		26

SECOND YEAR

First Semester	Units	Second Semester	Units
ACC C201 Accounting Information System	3	ACC C202 Income Taxation	3
ACC C203 Cost Accounting & Strategic Cost Management	6	ACC C204 Financial Management	3
ACC C205 Intermediate Accounting 1	6	ACC C206 Intermediate Accounting 2 & 3	6
HIS C301 Life and Works of Rizal	3	ECO C304 Economic Development	3
LAW C201 Law on Obligation & Contract	3	ITC C101 IT Application Tools in Business	3
MAT C211 Management Science	3	LAW C202 Business Laws & Regulations	3
PED C201 (PATHFIT 3)	2	MGT C202 Operations Management (TQM)	3
PHI C201 Business Logic	3	MGT C502 Human Behavior in Organization	3
		PED C202 (PATHFIT 4)	2
	29		29

THIRD YEAR

First Semester	Units	Second Semester	Units
ACC C301 Business Tax	3	ACC C606 Auditing & Assurance: Concepts & Applications 1 & 2	6
ACC C502 Professional Elective 2	3	ACC C608 Accounting for Business Combination & Special Transactions	6
ACC C601 Financial Markets	3	ACC C610 Accounting Research Methods	3
ACC C605 Strategic Business Analysis	6	ACC C615Professional Elective4	3
ACC C607 Auditing& Good Governance	6	ACC C616 Auditing in CIS Environment	3
ECO C205 Managerial Economics	3	LAW C302 Regulatory Framework & Legal Issues in Business	3
MAT C301 Statistical Analysis w/ Software Application	3	MGT C402 International Business & Trade	3
	27		27

Summer	Units
ACC C603 Professional Elective 3	3
ACC C609 Accounting for Government & Non-Profit Organization	3
MGT C303 Strategic Management	3
	9

FOURTH YEAR

First Semester	Units	Second Semester	Units
ACC C611 Accountancy Research	3	ACC C618 IAC on RFBT	2
ACC C613 Accounting Internship	6	ACC C620 IAC on Taxation	2
ACC C614 Auditing & Assurance: Specialized Industries	3	ACC C622 IAC on MAS	2
		ACC C624 IAC on Auditing	2
		ACC C626 IAC on FAR	2
		ACC C628 IAC on AFAR	2
	12		12

GROUP REQUIREMENTS FOR THE DEGREE OF
Bachelor of Science in Accountancy (BSA)
For Eligibility to take the CPA Examinations

		Units	Units
1.	General Education		50
	a. Purposive Communication	6	
	b. FOS	3	
	c. Understanding Self	3	
	d. Readings in Philippine History	3	
	e. Contemporary World	3	
	f. Art Appreciation	3	
	g. Science, Technology & Society	3	
	h. Life and Works of Rizal	3	
	i. Mathematics in the Modern World	3	
	j. Ethics	3	
	k. Business Logic	3	
	l. NSTP	6	
	m. PED (PATHFIT 1, 2, 3, 4)	8	
2.	Common Business and Management Education Courses		6
	a. Operations Management (TQM)	3	
	b. Strategic Management	3	
3.	Core Accounting Education Courses		93
	a. Law on Obligation and Contract	3	
	b. Business Laws and Regulations	3	
	c. Regulatory Framework and Legal Issues in Business	3	
	d. Management Science	3	
	e. Accounting Research Methods	3	
	f. Accounting Internship	6	
	g. Accountancy Research	3	
	h. Statistical Analysis with Software Application	3	
	i. Governance, Business Ethics, Risk Management, and Internal Control	3	
	j. Managerial Economics	3	
	k. Economic Development	3	
	l. Financial Accounting and Reporting 1 w/ CFAS	6	
	m. Financial Accounting and Reporting 2	6	
	n. Intermediate Accounting 1	6	

	o. Intermediate Accounting 2	3	
	p. Intermediate Accounting 3	3	
	q. Financial Markets	3	
	r. Financial Management	3	
	s. Accounting Information System	3	
	t. IT Application Tools in Business	3	
	u. Cost Accounting and Control	3	
	v. Strategic Cost Management	3	
	w. Strategic Business Analysis (MAS)	6	
	x. Business Tax	3	
	y. Income Taxation	3	
	z. International Business and Trade	3	
4.	Cognate/Major/Professional Courses		36
	a. Auditing and Assurance Principles	3	
	b. Auditing and Assurance Concepts & Applications 1	3	
	c. Auditing & Assurance Concepts & Applications 2	3	
	d. Auditing & Assurance: Specialized Industries	3	
	e. Auditing in CIS Environment	3	
	f. Accounting for Special Transactions	3	
	g. Accounting for Business Combinations	3	
	h. Accounting for Government and Non-Profit Organization	3	
	i. IAC Review Courses	12	
5.	Professional Electives		12
	a. Human Behavior in Organization	3	
	b. Professional Electives 2	3	
	c. Professional Electives 3	3	
	d. Professional Electives 4	3	
		Total	**197**

Additional Requirements:

Commencing on SY 2024-25, all students newly admitted as first-year students to the BSA Program must get a grade of at least **3.5** in every Accounting and Law course, shown in the table below, using the **zero-base method.**

1ST SEMESTER	2ND SEMESTER	SUMMER
First Year		
ACC C101-Financial Accounting and Reporting with CFAS	ACC C102-Financial Accounting and Reporting 2	
Second Year		
ACC C201-Accounting Information System	ACC C202-Income Taxation	

ACC C203-Cost Accounting & Strategic Cost Management	ACC C204-Financial Management	Mandatory Qualifying Examination
ACC C205-Intermediate Accounting 1	ACC C206-Intermediate Accounting 2&3	
LAW C201-Law on Obligation and Contract	LAW C202-Business Laws & Regulations	
Third Year		
ACC C301-Business Tax	ACC C606-Auditing & Assurance (Concepts & Applications 1&2)	ACC C603-Professional Elective 3
ACC C502-Professional Elective 2	ACC C608-Accounting for Business Combination & Special Transactions	ACC C609-Accounting for Government & Non-Profit Organization
ACC C601-Financial Markets	ACC C610-Accounting Research Methods	Qualifying Examination for those with "Conditional Status"
ACC C605-Strategic Business Analysis	ACC C615 Professional Elective 4	
ACC C607-Auditing & Good Governance	ACC C616 Auditing in CIS Environment	
	LAW C302 Regulatory Framework & Legal Issues in Business	
Fourth Year		
ACC C611-Accounting Research	ACC C618-IAC on RFBT	
ACC C613-Accounting Internship	ACC C620-IAC on Taxation	
ACC C614-Auditing & Assurance: Specialized Industries	ACC C622-IAC on MAS	
	ACC C624-IAC on Auditing	
	ACC C626-IAC on FAR	
	ACC C628-IAC on AFAR	

A student who fails to meet the minimum grade requirement of **3.5** may re-enroll in the same course only once, otherwise, he/she will be disqualified from the program but may still be eligible to transfer to the BSBA program of his/her choice.

In addition, a mandatory qualifying examination will be given to all incoming 3rd year BSA students during the summer immediately after the 2nd year level.

- The Qualifying Examination shall cover areas of discipline in Law and Accounting that were taken up during the 1st and 2nd year levels of the BSA program.

- A student who fails to take the Qualifying Examination for valid reasons like illness, hospitalization, victim of calamities, and other fortuitous events shall file a request to be approved by the BAA Dean to take the next scheduled Qualifying Examination. Such request shall be accompanied by the necessary supporting documents (e.g. medical certificate validated by the University Medical and Dental Clinic, an official barangay certificate or clearance signed by the Authorized Barangay Official, etc.). In such a case, the concerned student shall be given a "**conditional status.**"

- The student with conditional status will still be allowed to enroll for 3rd year level BSA courses, provided that he/she shall take the missed qualifying exam on a one-time-chance basis during the next summer immediately after finishing the 3rd year level.

- To pass the Qualifying Examination, a BSA student must obtain a passing rate of **75%** of the raw score on each examination subject using the **zero-base** approach. Failure in one exam course shall mean failure in the entire Qualifying Examination.

Similarly, a student who took but failed the Qualifying Examination for the first time shall likewise be granted the same "conditional status" and may repeat to pass the Qualifying Examination only once on the succeeding summer; otherwise, he/she will no longer be allowed to enroll in the 4th year level and will no longer be eligible to continue under the BSA Program. The student may still be eligible to transfer to the BSBA Major in Accounting program.

Finally, a student successfully enrolled in the 4th year must pass all the Integrated Accounting Course (IAC) review courses under the same standard using the **zero-base method** and earn a minimum grade of **3.5 in all courses**. If a student fails in one (1) of the IAC review courses, he/she may still be conferred, upon submission of a written formal request **to the Dean**, with a Bachelor of Science in Business Administration (BSBA) Major in Accounting degree. On the other hand, if the concerned student desires to graduate with a BSA degree, the student should enroll in a second course and repeat and pass all the IAC review courses. The student may repeat all the IAC review courses only once.

Only students who meet the above requirements will be conferred with the degree of Bachelor of Science in Accountancy (BSA) and eligibility to take the CPALE.

For the current enrolled 3rd to 4th-year students (except IAC courses) who are not yet covered by this new policy effective SY 2024-2025, the 2.5 minimum grade requirement still remains for eligibility to BSA degree.

BUSINESS ADMINISTRATION PROGRAM

Within the context of, and in addition to, the stipulated objectives of the University, the Business Administration program is meant to (1) prepare the student for a gainful and intellectually satisfying role in business through systematic exposure to specialized knowledge in the major functional areas of business consisting of production, finance, personnel, and marketing, (2) instill the supportive computational and communications skills, and (3) provide the familiarity of the framework of business, inclusive of the roles of government, and the importance of business ethics.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Business Administration (BSBA) program, the graduates will:

1. excel in their profession/career utilizing the knowledge acquired in the Business Administration program;
2. become effective collaborators and innovators in business administration, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSBA shall be able to:

a. exhibit specialized knowledge and skills in the application of accounting concepts and principles and reporting practice;
b. select the proper decision-making tools to critically, analytically, and creatively solve accounting problems and drive results on specific environmental and global issues;
c. express oneself clearly and effectively with stakeholders in oral or written form using information and communication technology (ICT) skills; and
d. demonstrate social responsibility with high personal, moral, and ethical standards.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION MAJOR IN ACCOUNTING

FIRST YEAR

First Semester	Units	Second Semester	Units
ACC C101 Financial Accounting& Reporting 1 w/CFAS	6	ACC C102 Financial Accounting& Reporting 2	6
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	NSC C202 Science, Technology & Society	3
MAT C101 Mathematics in the Modern World	3	NST C102 National Service Training Program 2	3
NST C101 National Service Training Program 1	3	PED C102 (PATHFIT 2)	2
PED C101 (PATHFIT 1)	2	PHI C102 Ethics	3
PSY C101 Understanding the Self	3	SSC C102 Contemporary World	3
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
ACC C203 Cost Accounting & Strategic Cost Management	6	ACC C201 Accounting Information System	3
ACC C205 Intermediate Accounting 1	6	ACC C202 Income Taxation	3
ECO C203 Basic Microeconomics	3	ACC C204 Financial Management	3
ITC C101 IT Application Tools in Business	3	ACC C206 Intermediate Accounting 2 & 3	6
PED C201 (PATHFIT 3)	2	MGT C204 Human Resources Management	3
PHI C201 Business Logic	3	MGT C206 Good Governance& Social Responsibility	3
		PED C202 (PATHFIT 4)	2
	23		23

THIRD YEAR

First Semester	Units	Second Semester	Units
ACC C301 Business Taxation	3	ACC C504 Accounting for Business Combination & Specialized Transactions	6
ACC C309 Management Accounting	3	ACC C512 Internal Auditing	6
HIS C301 Life& Works of Rizal	3	LAW C202 Business Laws & Regulations	3
LAW C201 Law on Obligation & Contract	3	MGT C301 Operations Management (TQM)	3
MAT C301 Statistical Analysis w/Software Application	3	MGT C303 Strategic Management	3
MGT C402 International Business & Trade	3		
	18		21

FOURTH YEAR

First Semester	Units	Second Semester	Units
PRC C401 Practicum 1	3	PRC C402 Practicum 2	3
RES C401 Research 1	3	RES C402 Research 2-Thesis	3
	6		6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (BSBA) MAJOR IN ACCOUNTING

		Units	Units
1.	General Education		50
	a. Purposive Communication	6	
	b. FOS	3	
	c. Understanding the Self	3	
	d. Readings in Philippine History	3	
	e. Contemporary World	3	
	f. Art Appreciation	3	
	g. Science, Technology & Society	3	
	h. Life & Works of Rizal	3	
	i. Mathematics in the Modern World	3	
	j. Business Logic	3	
	k. Ethics	3	
	l. NSTP	6	
	m. PED (PATHFIT 1, 2, 3, 4)	8	
2.	Common Business and Management Education Courses		6
	a. Operations Management (TQM)	3	
	b. Strategic Management	3	
3.	Core Accounting Education Courses		42
	a. Basic Microeconomics	3	
	b. Law on Obligation and Contract	3	
	c. Income Taxation	3	
	d. Good Governance and Social Responsibility	3	
	e. Human Resource Management	3	
	f. International Business and Trade	3	
	g. Research 1	3	
	h. Research 2 - Thesis	3	
	i. Financial Accounting and Reporting 1 & 2	12	
	j. IT Application Tools in Business	3	
	k. Statistical Analysis with Software Application	3	
4.	Cognate/Major/Professional Courses		51
	a. Intermediate Accounting 1	6	
	b. Intermediate Accounting 2	3	
	c. Intermediate Accounting 3	3	
	d. Cost Accounting and Strategic Cost Management	6	
	e. Financial Management	3	
	f. Business Laws and Regulation	3	
	g. Business Taxation	3	
	h. Management Accounting	3	
	i. Accounting Information System	3	
	j. Accounting for Business Combination & Specialized Transactions	6	
	k. Internal Auditing	6	

l. Practicum 1 (300 hours)	3	
m. Practicum 2 (300 hours) *	3	
	Total	**149**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION MAJOR IN BANKING AND FINANCE

FIRST YEAR

First Semester	Units	Second Semester	Units
ACC C101 Financial Accounting & Reporting w/ CFAS	6	ACC C102 Financial Acctg & Reporting 2	6
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	NSC C202 Science, Technology& Society	3
MAT C101 Mathematics in the Modern World	3	NST C102 National Service Training Program 2	3
NST C101 National Service Training Program 1	3	PED C102 Physical Education 2	2
PED C101 (PATHFIT 1)	2	PHI C102 (PATHFIT 2)	3
PSY C101 Understanding the Self	3	SSC C102 Contemporary World	3
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
ECO C203 Basic Microeconomics	3	ACC C202 Income Taxation	3
FIN C201 Financial Management 1	3	FIN C202 Financial Management 2	3
HIS C301 Life & Works of Rizal	3	LAW C201 Law on Obligation& Contract	3
ITC C101 IT Application Tools in Business	3	MGT C204 Human Resource Management	3
MGT C201 Business Organization & Management	3	MGT C206 Good Governance & Social Responsibility	3
MKT C201 Marketing Management	3	PED C202 (PATHFIT 4)	2
PED C103 (PATHFIT 3)	2	PHI C102 Business Logic	3
	20		20

THIRD YEAR

First Semester	Units	Second Semester	Units
FIN C501 Financial Reporting & Analysis	3	FIN C502 Cooperative Management	3
FIN C503 Investment& Portfolio Management	3	FIN C504 Capital Market	3
FIN C505 Banking& Financial Institution	3	FIN C506 Credit& Collection	3
MAT C301 Statistical Analysis w/ Software Application	3	FIN C508 Monetary Policy & Central Banking	3
MGT C301 Operations Management (TQM)	3	MGT C402 International Business & Trade	3
	15		15

FOURTH YEAR

First Semester	Units	Second Semester	Units
MGT C401 Strategic Management	3	PRC C402 Practicum 2	3
PRC C401 Practicum 1	3	RES C402 Research 2 (Thesis)	3
RES C401 Research 1	3		
	9		6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (BSBA)
MAJOR IN BANKING AND FINANCE

	Units	Units
1. General Education		50
a. FOS	3	
b. Readings in Philippine History	3	
c. Purposive Communication 1 & 2	6	
d. Mathematics in the Modern World	3	
e. Understanding the Self	3	
f. Art Appreciation	3	
f. Contemporary World	3	
h. Ethics	3	
i. Science, Technology & Society	3	
j. Life and Works of Rizal	3	
k. Business Logic	3	
l. NST	6	
m. PED (PATHFIT 1, 2, 3, 4)	8	
2. Core Business & Management Education Courses		6
a. Operations Management (TQM)	3	
b. Strategic (Financial) Management	3	
3. Business Administration Core Courses		24
a. Basic Microeconomics	3	
b. Business Law 1	3	
c. Income Taxation	3	
d. Good Governance & Social Responsibility	3	
e. Human Resource Management	3	
f. International Business & Trade (Global Finance)	3	
g. Financial Research 1 & 2	6	
4. BSBA Professional Courses		57
a. FinancialAccounting&Reporting1&2	12	
b. Financial Management 1 &2	6	
c. Financial Reporting& Analysis	3	
d. Investment & Portfolio Management	3	
e. Banking & Financial Institution	3	
f. Cooperative Management	3	
g. Monetary Policy & Central Banking	3	
h. Capital Market	3	
i. Credit & Collection	3	
j. Practicum 1 & 2	6	
k. Business Organization & Management	3	
l. Marketing Management	3	
m. Statistical Analysis with Software Application	3	
n. IT Application Tools in Business	3	
	Total	**137**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION MAJOR IN MARKETING

FIRST YEAR

First Semester	Units	Second Semester	Units
ACC C101 Financial Accounting& Reporting 1 with CFAS	6	ACC C102 Financial Accounting& Reporting 2	6
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	NSC C202 Science, Technology & Society	3
MAT C101 Mathematics in the Modern World	3	NST C102 National Service Training Program 2	3
NST C101 National Service Training Program 1	3	PED C102 (PATHFIT 2)	2
PED C101 (PATHFIT 1)	2	PHI C102 Ethics	3
PSY C101 Understanding the Self	3	SSC C102 Contemporary World	3
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
ECO C203 Basic Microeconomics	3	ACC C202 Income Taxation	3
FIN C201 Financial Management 1	3	LAW C201 Law on Obligation & Contract	3
HIS C301 Life& Works of Rizal	3	MGT C204 Human Resource Management	3
ITC C101 IT Application Tools in Business	3	MGT C206 Good Governance & Social Responsibility	3
MGT C201 Business Organization& Management	3	MKT C502 Consumer Behavior	3
MKT C201 Marketing Management	3	PED C202 (PATHFIT 4)	2
PED C201 (PATHFIT 3)	2	PHI C102 Business Logic	3
	20		20

THIRD YEAR

First Semester	Units	Second Semester	Units
MAT C301 Statistical Analysis w/ Software Application	3	MGT C302 Entrepreneurial Management	3
MGT C301 Operations Management (TQM)	3	MGT C402 International Business & Trade	3
MKT C501 Professional Salesmanship	3	MKT C504 Distribution Management	3
MKT C503 Retail Management	3	MKT C506 Events, Publicity & Public Relation	3
MKT C505 Principles of Advertising	3	MKT C508 New Product& Brand Management	3
	15		15

FOURTH YEAR

First Semester	Units	Second Semester	Units
MGT C401 Strategic Management	3	PRC C402 Practicum 2	3
PRC C401 Practicum 1	3	RES C402 Research 2 (Thesis)	3
RES C401 Research 1	3		
	9		6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (BSBA) MAJOR IN MARKETING

	Units	Units
1. General Education		50
a. FOS	3	
b. Readings in Philippine History	3	
c. Purposive Communication 1 & 2	6	
d. Mathematics in the Modern World	3	
e. Understanding the Self	3	
f. Art Appreciation	3	
g. Contemporary World	3	
h. Ethics	3	
i. Science, Technology & Society	3	
j. Life and Works of Rizal	3	
k. Business Logic	3	
l. NST	6	
m. PED	8	
2. Core Business & Management Education Courses		6
a. Operations Management (TQM)	3	
b. Strategic (Marketing)Management	3	
3. Business Administration Core Courses		24
a. Basic Microeconomics	3	
b. Business Law 1	3	
c. Income Taxation	3	
d. Good Governance &Social Responsibility	3	
e. Human Resource Management	3	
f. International Business & Trade (International Marketing)	3	
g. Marketing Research 1 & 2	6	
4. BSBA Professional Courses		57
a. Financial Accounting & Reporting 1 & 2	12	
b. Marketing Management	3	
c. Consumer Behavior	3	
d. Professional Salesmanship	3	
e. Retail Management	3	
f. Principles of Advertising	3	
g. Distribution Management	3	
h. Events, Publicity & Public Relations	3	
i. Entrepreneurial Management	3	
j. New Product & Brand Management	3	
k. Practicum 1 & 2	6	
l. Business Organization & Management	3	
m. Financial Management 1	3	
n. Statistical Analysis w/ Software Application	3	

o. IT Application Tools in Business	3	
	Total	**137**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION MAJOR IN ECONOMICS

FIRST YEAR

First Semester	Units	Second Semester	Units
ACC C101 Financial Accounting& Reporting 1 w/ CFAS	6	ACC C102 Financial Accounting & Reporting 2	6
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	NSC C202 Science, Technology & Society	3
MAT C101 Mathematics in the Modern World	3	NST C102 National Service Training Program 2	3
NST C101 National Service Training Program 1	3	PED C102 (PATHFIT 2)	2
PED C101 (PATHFIT 1)	2	PHI C102 Ethics	3
PSY C101 Understanding the Self	3	SSC C102 Contemporary World	3
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
ECO C203 Basic Microeconomics	3	ACC C202 Income Taxation	3
FIN C201 Financial Management 1	3	ECO C202 Macroeconomics	3
HIS C301 Life& Works of Rizal	3	LAW C201 Law on Obligation & Contract	3
ITC C101 IT Application Tools in Business	3	MGT C204 Human Resource Management	3
MGT C201 Business Management & Organization	3	MGT C206 Good Governance & Social Responsibility	3
MKT C201 Marketing Management	3	PED C104 (PATHFIT 4)	2
PED C103 (PATHFIT 3)	2	PHI C102 Business Logic	3
	20		20

THIRD YEAR

First Semester	Units	Second Semester	Units
ECO C301 Advanced Microeconomics	3	ECO C302 Advanced Macroeconomics	3
ECO C303 History of Economic Thoughts	3	ECO C304 Economic Development	3
ECO C310 Managerial Economics	3	ECO C306 Monetary& Fiscal Policy	3
ECO C505 Mathematical Economics	3	ECO C314 Principles of Econometrics	3
MGT C301 Operations Management (TQM)	3	MGT C402 International Business & Trade	3
	15		15

FOURTH YEAR

First Semester	Units	Second Semester	Units
MGT C401 Strategic Management	3	PRC C402 Practicum 2	3
PRC C401 Practicum 1	3	RES C402 Research 2 (Thesis)	3
RES C401 Business Research 1	3		
	9		6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (BSBA) MAJOR IN ECONOMICS

	Units	Units
1. General Education Courses		50
a. FOS	3	
b. Readings in Philippine History	3	
c. Purposive Communication 1 & 2	6	
d. Mathematics in the Modern World	3	
e. Understanding the Self	3	
f. Art Appreciation	3	
g. Contemporary World	3	
h. Ethics	3	
i. Science, Technology & Society	3	
j. Life and Works of Rizal	3	
k. GE Elective (Business Logic)	3	
l. NST	6	
m. PED (PATHFIT 1, 2, 3 4)	8	
2. Core Business and Management Education Courses		6
a. Operations Management (TQM)	3	
b. Strategic (Economic Strategies & Policies) Management	3	
3. Business Administration Core Courses		24
a. Basic Microeconomics	3	
b. Law on Obligation & Contract	3	
c. Income Taxation	3	
c. Good Governance & Social Responsibility	3	
e. Human Resource Management	3	
f. International Business & Trade (International Economics)	3	
g. Economic Research 1 & 2	6	
4. BSBA Professional Courses		57
a. Financial Accounting & Reporting 1 & 2	12	
b. Basic Macroeconomics	3	
c. Advanced Microeconomics	3	
d. Advanced Macroeconomics	3	
e. History of Economic Thoughts	3	
f. Mathematical Economics	3	
g. Monetary & Fiscal Policy	3	
h. Economic Development	3	
i. Principles of Econometrics	3	
j. Managerial Economics	3	
k. Practicum 1&2	6	
l. Business Organization Management	3	
m. Marketing Management	3	
n. FinancialManagement1	3	

o. IT Application Tools in Business	3	
	Total	**137**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION MAJOR IN MANAGEMENT

FIRST YEAR

First Semester	Units	Second Semester	Units
ACC C101 Financial Accounting & Reporting w/CFAS	6	ACC C102 Financial Acctg & Reporting 2	6
FOS C101 Strategies for Academic Success in College	3	PHI C102 Ethics	3
PSY C101 Understanding the Self	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	SSC C102 Contemporary World	3
MAT C101 Mathematics in the Modern World	3	ENG C102 Purposive Communication 2	3
ENG C101 Purposive Communication 1	3	NSC C202 Science, Technology& Society	3
NST C101 National Service Training Program 1	3	NST C102 Nat'l Service Training Program 2	3
PED C101 (PATHFIT 1)	2	PED C102 (PATHFIT 2)	2
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
HIS C301 Life & Works of Rizal	3	ACC C202 Income Taxation	3
FIN C201 Financial Management 1	3	LAW C201 Law on Obligation & Contract	3
ECO C203 Basic Microeconomics	3	MGT C204 Human Resource Management	3
MKT C201 Marketing Management	3	MGT C206 Good Governance & Social Responsibility	3
MGT C201 Business Organization & Management	3	MGT C502 Human Behavior in Organization	3
ITC C101 IT Application Tools in Business	3	PHI C101 Business Logic	3
PED C201 (PATHFIT 3)	2	PED C102 (PATHFIT 4)	2
	20		20

THIRD YEAR

First Semester	Units	Second Semester	Units
MGT C301 Operations Management (TQM)	3	LAW C301 Labor Relations & Negotiations	3
MGT C501 Environment& Business	3	MGT C302 Entrepreneurial Management	3
MGT C503 Change Management & Organization Development	3	MGT C504 Production Management	3
MGT C505 Project Management	3	MGT C506 Logistics Management	3
MAT C301 Statistical Analysis w/ Software Application	3	MGT C402 International Business & Trade (International Marketing)	3
	15		15

FOURTH YEAR

First Semester	Units	Second Semester	Units
MGT C401 Strategic Management	3	RES C402 Business Research 2 (Thesis)	3
RES C401 Business Research 1	3	PRC C402 Practicum 2	3
PRC C401 Practicum 1	3		
	9		6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (BSBA) MAJOR IN MANAGEMENT

	Units	Units
1. General Education		50
a. FOS	3	
b. Readings in Philippine History	3	
c. Purposive Communication	6	
d. Mathematics in the Modern World	3	
e. Understanding the Self	3	
f. Art Appreciation	3	
g. Contemporary World	3	
h. Ethics	3	
i. Science, Technology & Society	3	
j. Life and Works of Rizal	3	
k. GE Elective 1 (Business Logic)	3	
l. NST	6	
m. PED (PATHFIT 1, 2, 3, 4)	8	
2. BA Core Courses		51
a. Financial Accounting& Reporting 1 & 2	12	
b. Basic Microeconomics	3	
c. Financial Management 1	3	
d. Law on Obligation & Contract	3	
e. Income Taxation	3	
f. Business Organization & Management	3	
g. Marketing Management	3	
h. Human Resource Management	3	
i. Good Governance & Social Responsibilities (CSR)	3	
j. Operations Management (TQM)	3	
k. International Business & Trade	3	
l. Strategic Management	3	
m. Statistical Analysis with Software Application	3	
n. IT Application Tools in Business	3	
3. Professional Courses		36
a. Human Behavior in Organization	3	
b. Production Management	3	
c. Logistics Management	3	
d. Environment & Business	3	
e. Project Management	3	
f. Entrepreneurial Management	3	
g. Change Management& Organization Development	3	
h. Labor Relations & Negotiation	3	
i. Business Research 1& 2	6	
j. Practicum 1 &2	6	
	Total	**137**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION MAJOR IN SUPPLY MANAGEMENT

FIRST YEAR

First Semester	Units	Second Semester	Units
ACC C101 Financial Accounting & Reporting w/CFAS	6	ACC C102 Financial Accounting& Reporting 2	6
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	NSC C202 Science, Technology & Society	3
MAT C101 Mathematics in the Modern World	3	NST C102 National Service Training Program 2	3
NST C101 National Service Training Program 1	3	PED C102 (PATHFIT 2)	2
PED C101 (PATHFIT 1)	2	PHI C102 Ethics	3
PSY C101 Understanding the Self	3	SSC C102 Contemporary World	3
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
ECO C203 Basic Microeconomics	3	ACC C202 Income Taxation	3
HIS C301 Life & Works of Rizal	3	LAW C201 Law on Obligation & Contract	3
ITC C101 IT Application Tools in Business	3	MGT C204 Human Resource Management	3
MGT C201 Business Organization & Management	3	MGT C206 Good Governance & Social Responsibility	3
PED C201 (PATHFIT 3)	2	PED C202 (PATHFIT 4)	2
SCM C501 Introduction to Supply Management	3	SCM C502 Inventory Management & Demand Forecasting	3
SCM C503 Fundamentals of Purchasing	3	SCM C504 Negotiation in Supply Management	3
SCM C505 Introduction to Customer Service& Logistics	3	SCM C506 Fundamentals of Warehousing	3
	23		23

THIRD YEAR

First Semester	Units	Second Semester	Units
MAT C301 Statistical Analysis w/ Software Application	3	MGT C402 International Business & Trade	3
MGT C301 Operations Management (TQM)	3	PHI C201 Business Logic	3
MKT C201 Marketing Management	3	SCM C508 Cold Chain	3
SCM C507 Storage System & Material Handling	3	SCM C510 Legal Aspect of PDEC	3
SCM C509 Financial Management for SMGT Practitioner	3	SCM C512 Customer Service Priorities & Strategies	3
SCM C511 P&S Strategy & Global Sourcing	3	SCM C514 Advance Warehousing & Distribution Practices	3
SCM C513 Transportation& Distribution Operation	3	SCM C516 Demand Management & Production Management	3
	21		21

FOURTH YEAR

First Semester	Units	Second Semester	Units
MGT C401 Strategic Management	3	PRC C402 Practicum 2	3
PRC C401 Practicum 1	3	RES C402 Research 2 (Thesis)	3
RES C401 Research	3		
	9		6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (BSBA) MAJOR IN SUPPLY MANAGEMENT

	Units	Units
1. General Education		50
a. FOS	3	
b. Readings in Philippine History	3	
c. Purposive Communication 1&2	6	
d. Mathematics in the Modern World	3	
e. Understanding the Self	3	
f. Art Appreciation	3	
g. Contemporary World	3	
h. Ethics	3	
i. Science, Technology & Society	3	
j. Life and Works of Rizal	3	
k. GE Elective (Business Logic)	3	
l. NST	6	
m. PED (PATHFIT 1, 2, 3, 4)	8	
2. BA Core Courses		48
a. FinancialAccountingReporting1&2	12	
b. Basic Microeconomics	3	
c. BusinessLaw1	3	
d. Taxation	3	
e. Business Organization &Management	3	
f. Marketing Management	3	
g. Human Resource Management	3	
h. Good Governance & Social Responsibilities (CSR)	3	
i. Operations Management(TQM)	3	
j. International Business &Trade (e-Proc &Reverse Auction)	3	
k. Strategic Management (Strategic Purchasing)	3	
l. Statistical Analysis with Software Application	3	
m. IT Application Tools in Business	3	
3. Professional Courses		57
a. Introduction to Supply Management	3	
b. Fundamental of Purchasing	3	
c. Introduction to Customer Service & Logistics	3	

d. Inventory Management & Demand Forecasting	3	
e. Negotiation in Supply Management	3	
f. Fundamentals of Warehousing	3	
g. Financial Management for Supply Management Practitioner	3	
h. Storage System & Material Handling	3	
i. Procurement &Sourcing Strategies	3	
j. Cold Chain	3	
k. Transportation & Distribution Operation	3	
l. Demand Management & Production Management	3	
m. Legal Aspect of Purchasing/Distribution	3	
n. Customer Service Priorities& Strategies	3	
o. Advanced Warehousing& Distribution Practices	3	
p. Research 1 & 2	6	
q. Practicum 1 (Warehouse Operation)	3	
r. Practicum 2 (Practicum for Supply Management	3	
	Total	**155**

LEGAL MANAGEMENT PROGRAM

The Bachelor of Science in Legal Management provides sound preparation for students aspiring to further study in law or those wishing to enter the legal field as a paralegal or legal assistant working under the supervision of an attorney. This program focuses on the knowledge, skills, and values needed to become competent and ethical professionals working in the legal services industry and emphasizes analytical thinking, reading, and communication skills. Students are provided direct instruction in legal research and writing, legal concepts and terminology, and the practical skills needed to successfully enter the job market.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Legal Management (BSLGM) program, the graduate will:

1. excel in their profession/career utilizing the knowledge acquired in the BSLGM program;
2. become effective collaborators and innovators in legal management, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After completion of the program, the graduates of the Bachelor of Science in Legal Management (BSLGM) program shall be able to:

a. write clear, effective, and conventional English in the preparation of memorandums, briefs, substantive legal and litigation documents;
b. apply critical thinking skills in the reading and interpretation of legal materials;
c. draft appropriate documents needed by a lawyer or a law firm in civil litigation matters, including pleading motions and discovery of documents;
d. conduct research on legal topics and questions using primary legal materials;
e. apply knowledge of legal systems, concepts, and methodologies to effectively and ethically support the resolutions of legal disputes;
f. use interpersonal and leadership skills to be cooperative and self-reliant members of a legal team;
g. find employment applicable to this course of study or pursue a degree in law; and
h. conduct themselves in a responsible, professional, and ethical manner.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN LEGAL MANAGEMENT

FIRST YEAR

First Semester			Units	Second Semester			Units
ACC	C101	Financial Accounting & Reporting 1 w/ CFAS	6	ENG	C108	Speech w/ Argumentation & Debate	3
ENG	C101	Purposive Communication 1	3	HUM	C102	Art Appreciation	3
FOS	C101	Strategies for Academic Success in College	3	ITC	C101	IT Application Tools in Business	3
HIS	C101	Readings in Philippine History	3	LAW	C201	Law on Obligation & Contract	3
MAT	C101	Mathematics in the Modern World	3	NSC	C202	Science, Technology & Society	3
NST	C101	Nat'l Service Training Program 1	3	NST	C102	National Service Training Program 2	3
PED	C101	(PATHFIT 1)	2	PED	C102	(PATHFIT 2)	2
PSY	C101	Understanding the Self	3	PHI	C102	Ethics	3
				SSC	C102	Contemporary World	3
			26				26

SECOND YEAR

First Semester	Units	Second Semester	Units
ECO C203 Basic Microeconomics	3	ECO C202 Basic Macroeconomics	3
FIN C201 Financial Management 1	3	LAW C502 Banking Laws	3
HIS C301 Life& Works of Rizal	3	LAW C504 Business Protection Laws	3
LAW C501 Law on Business Organization	3	LAW C506 Law on Business Transactions	3
MGT C201 Business Organization & Management	3	MGT C206 Good Governance & Social Responsibility	3
MKT C203 Principles of Marketing	3	MGT C502 Human Behavior in Organization	3
PED C201 (PATHFIT 3)	2	PED C202 (PATHFIT 4)	2
	20		20

THIRD YEAR

First Semester	Units	Second Semester	Units
LAW C503 Law on Income Taxation	3	LAW C508 Laws on Business & Transfer Tax	3
LAW C505 Criminal Law w/ Business/ Cybercrime	3	LAW C510 Human Rights	3
LAW C507 Labor Law & Social Legislations	3	LAW C512 Environmental Laws (International Agreement Treaties & Protocols)	3
LAW C509 Retail Trade Laws & Consumer Act-w/E-Comm Law	3	LAW C514 Laws on Public Utilities	3
MGT C301 Operations Management (TQM)	3	MGT C204 Human Resources Management	3
	15		15

FOURTH YEAR

First Semester	Units	Second Semester	Units
LAW C511 Law on Legal Processes	3	LAW C516 Capstone Project	3
LAW C513 Strategic Legal Management	3	PRC C401 Practicum 1	3
RES C401 Research 1	3		
	9		6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN LEGAL MANAGEMENT (BSLGM)

	Units	Units
1. General Education		50
a. Purposive Communication	3	
b. FOS	3	
c. Understanding the Self	3	
d. Readings in Philippine History	3	
e. Contemporary World	3	
f. Art Appreciation	3	
g. Science, Technology & Society	3	
h. Life & Works of Rizal	3	
i. Mathematics in the Modern World	3	
j. Ethics	3	
k. GE Electives		
Human Behavior in Organization	3	
Speech with Argumentation & Debates	3	
l. NST	6	
m. PED (PATHFIT 1, 2, 3, 4)	8	

2.	Common Business and Management Education Courses		6
	a. Operations Management (TQM)	3	
	b. Strategic Legal Management	3	
3.	Business and Management Education Core Courses (BMEC)		36
	a. Basic Microeconomics	3	
	b. Law on Obligation & Contract		
	c. Law on Income Taxation	3	
	d. Good Governance & Social Responsibility	3	
	e. Human Resource Management	3	
	f. Financial Accounting & Reporting 1	6	
	g. Business Organization & Management	3	
	h. Financial Management 1	3	
	i. Principles of Marketing	3	
	j. Basic Macroeconomics	3	
	l. IT Application Tools in Business	3	
4.	Professional Courses (PLMC)		45
	a. Law on Business Organization	3	
	b. Law on Business & Transfer Tax	3	
	c. Law on Business Transactions (Sales, Agency, Negotiable Instruments & Credit	3	
	d. Business Protection Laws (Property & Intellectual Property Rights-IPR)	3	
	e. Retail Trade Laws & Consumer Act (Withe-Commerce Law)	3	
	f. Labor Law & Social Legislations	3	
	g. Research 1	3	
	h. Law on Legal Processes	3	
	i. Banking Laws	3	
	j. Laws on Public Utilities	3	
	k. Human Rights	3	
	l. Criminal Law with Business/Cybercrime	3	
	m. Environmental Laws (International Agreement Treaties & Protocols	3	
	n. Capstone Project	3	
	o. Practicum 1	3	
	Total		**137**

COLLEGE OF CRIMINAL JUSTICE EDUCATION

Mission

The Criminal Justice Education aims to develop students to become critical thinkers, ethical practitioners, socially responsible, and discipline future law enforcers.

Vision

Criminal Justice Education be recognized as a leading provider of comprehensive and technologically innovative education of social importance in a rapidly changing global environment.

CRIMINOLOGY PROGRAM

The Criminology program seeks to contribute to the improvement of the criminal justice system in the country by producing professionally competent and values-oriented young men and women who can deliver efficient and effective services in crime prevention, crime detection, law enforcement, and custody and rehabilitation of offenders.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Criminology (BS Crim), the graduates will:

1. excel in their profession/career utilizing the knowledge acquired in the Criminology program;
2. become effective collaborators and innovators in criminology, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BS Crim program shall be able to:

a. demonstrate and show knowledge and understanding relative to legal aspects of law enforcement;
b. utilize criminalistics or forensic science in the investigation and detection of crime;
c. demonstrate competence and broad understanding in law enforcement administration, public safety, and the Philippine criminal justice system;
d. conduct criminological research on crimes, crime causation, victims, and offenders; and
e. practice the highest ethical standard of morality in law enforcement and respect for human rights.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
Bachelor of Science in Criminology

First Year

First Semester		Units	Second Semester		Units
CRI	C101 Introduction to Criminology	3	CRI	C106 Industrial Security Concept	3
CRI	C102 Introduction to Philippine Criminal Justice System	3	CRI	C108 Theories of Crime Causation	3
CRI	C105 Professional Conduct & Ethical Standards	3	ENG	C102 Purposive Communication 2	3
ENG	C101 Purposive Communication 1	3	HUM	C102 Art Appreciation	3
FOS	C101 Strategies for Academic Success in College	3	PHI	C102 Ethics	3
HIS	C101 Readings in Philippine History	3	PSY	C101 Understanding the Self	3
MAT	C101 Mathematics in the Modern World	3	SSC	C102 Contemporary World	3
NST	C101 Nat'l Service Training Program 1	3	NST	C102 National Service Training Program 2	3
PED	C501 (PATHFIT 1)	2	PED	C502 (PATHFIT 2)	2
		26			26

Second Year

First Semester		Units	Second Semester		Units
CRI	C201 Criminal Law 1	3	CRI	C202 Criminal Law 2	4
CRI	C203Juvenile Delinquency& Juvenile Justice System	3	CRI	C204 Human Behavior & Victimology	3
CRI	C207 Personal Identification Techniques	3	CRI	C206 Forensic Photography	3
CRI	C209 Tech Eng 1 (Investigative Report Writing & Presentation)	3	CRI	C208 Tech Eng 2 (Legal Forms)	3
CRI	C217 Fundamentals of Criminal Investigation & Intelligence	4	CRI	C210 Forensic Chemistry & Toxicology	5
CRI	C219 Law Enforcement Org & Administration	4	CRI	C212 Law Enforcement Operation & Planning with Crime Mapping	3
HIS	C301 Life, & Works of Rizal	3	CRI	C214 Therapeutic Modalities	2
NSC	C203 General Chemistry (Organic)	3	NSC	C202 Science Technology & Society	3
PED	C503 (PATHFIT 3)	2	PED	C504 (PATHFIT 4)	2
		28			28

THIRD YEAR

First Semester		Units	Second Semester		Units
CRI	C301 Traffic Management & Accident Investigation w/ Driving	3	CRI	C304 Introduction to Cybercrime & Env Laws & Protection	3
CRI	C302 Vice& Drug Education & Control	3	CRI	C306 Lie Detection Techniques	3
CRI	C303 Forensic Ballistics	3	CRI	C308 Non-Institutional Corrections	3
CRI	C305 Questioned Docs Examination	3	CRI	C312 Specialized Crime Investigation 2 w/ Simul in Intr & Intv	3
CRI	C307 Institutional Corrections	3	CRI	C314 Character Formation 2 w/ Leadership, Dec-Mkg, Mgmt & Adm	3
CRI	C309 Character Formation 1, Nationalism & Patriotism	3	CRI	C316 Dispute Resolution &Crisis/ Incident Management	3
CRI	C311 Specialized Crime Investigation 1 w/ Legal Med	3	CRI	C318 Human Rights Education	3
CRI	C407 Evidence	3	CRI	C401 Comparative Models in Policing	3
MAT	C306 Statistical Theory	3	RES	C401 Research 1	3
		27			27

FOURTH YEAR

FIRST SEMESTER		Units	SECOND SEMESTER		Units
CRI	C403 Fire Protection & Arson Investigation	3	CRI C402 On-the-job Training		6
CRI	C409 Criminal Procedure & Court Testimony	3	CRI C404 Integrated Course in Criminology 2		3
CRI	C411 Integrated Course in Crim 1	3			
RES	C402 Research 2 (Thesis)	3			
		12			9

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CRIMINOLOGY (BS CRIM)

General Education	Units	Units
A. Core Courses		24
Understanding the Self	3	
Readings in Philippine History	3	
Contemporary World	3	
Mathematics in the Modern World	3	
Art Appreciation	3	
Science, Technology, & Society	3	
Ethics	3	
Purposive Communication 1	3	
B. Elective Courses		9
FOS (Strategies for Academic Success in College)	3	
Statistical Theory	3	
Purposive Communication 2 (Oral Communication)	3	
C. Mandated Courses		3
Life & Works of Rizal	3	
Additional GE Course		3
General Chemistry (Organic)(2lec/1lab)	3	
Physical Education		8
PED C501 – (PATHFIT 1) Fundamentals of Martial Arts	2	
PED C502 – (PATHFIT 2) Disarming Techniques	2	
PED C503 – (PATHFIT 3) First Air & Water Survival	2	
PED C504 – (PATHFIT 4) Marksmanship & Combat Shooting	2	
ROTC		6
NSTP 1 (ROTC 1)	3	
NSTP 2 (ROTC 2)	3	
Professional Courses		
A. Core Courses		19
Introduction to the Philippine Criminal Justice System	3	
Human Rights Education	3	
Criminal Law 1	3	
Criminal Law 2	4	
Evidence	3	

Criminal Procedure & Court Testimony	3	
B. Major Courses		111
Introduction to Criminology	3	
Theories of Crime Causation	3	
Human Behavior &Victimology	3	
Professional Conduct & Ethical Standards	3	
Juvenile Delinquency & Juvenile Justice System	3	
Dispute Resolutions & Crisis/Incident Management	3	
Criminological Research 1	3	
Research 2 (Thesis)	4	
Law Enforcement Organization & Administration (Inter-Agency Approach)	3	
Comparative Methods in Policing	3	
Industrial Security Concepts	3	
Law Enforcement Operation & Planning w/ Crime Mapping	3	
Forensic Photography (Lecture: 2 units; Lab: 1 unit)	3	
Personal Identification Techniques (Lecture: 2 units; Lab: 1 unit)	3	
Forensic Chemistry &Toxicology (Lecture: 3 units; Lab: 2 units)	5	
Questioned Documents Examination	3	
Lie Detection Techniques (Lecture: 2 units; Lab: 1 unit)	3	
Forensic Ballistics (Lecture: 2 units; Lab 1 unit)	3	
Introduction to Cybercrime & Environmental Laws & Protection (Lecture: 2 units; Lab: 1 unit)	3	
Fundamentals of Criminal Investigation & Intelligence	4	
Specialized CrimeInvestigation1 w/Legal Medicine	3	
Specialized CrimeInvestigation2 w/Simulation in Interrogation & Interview	3	
Traffic Management & Accident Investigation w/Driving	3	
TechnicalEnglish1 (Investigative Report Writing & Presentation)	3	
Fire Protection &Arson Investigation	3	
Vice & Drug Education & Control	3	
Technical English 2(Legal Forms)	3	
Institutional Corrections	3	
Non-Institutional Corrections	3	
Therapeutic Modalities	2	
On-the-Job Training (540 hours)	6	
Character Formation 1 & Nationalism & Patriotism	3	
CharacterFormation2w/Leadership, Decision Making, Management & Administration	3	
Integrated Course in Criminology 1	3	
Integrated Course in Criminology 2	3	
	Total	**183**

COLLEGE OF COMPUTER STUDIES AND ENGINEERING

Mission

The College of Computer Studies and Engineering aims to develop its students to become useful and responsible citizens utilizing computing and engineering education with well-equipped, accessible, and technologically advanced facilities, and to nurture competent and committed faculty members and staff.

Vision

The College of Computer Studies and Engineering as one of the pillars of Jose Rizal University will lead in pursuit of producing graduates of social importance guided by JRU core values through the use of computing and engineering technology for innovations in teaching and learning.

COMPUTER ENGINEERING PROGRAM

The Bachelor of Science in Computer Engineering (BSCpE) is a program that embodies the science and technology of design, development, implementation, maintenance, and integration of software and hardware components in modern computing systems and computer-controlled equipment.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Computer Engineering (BSCpE), the graduates will:

1. excel in their profession/career utilizing the knowledge acquired in the Computer Engineering program;
2. become effective collaborators and innovators in the field of computer engineering, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSCpE program shall be able to:

a. apply knowledge of mathematics, sciences, and engineering sciences to the practice of computer engineering.
b. design and conduct experiments as well as analyze and interpret data.
c. design a system, component, or process to meet needs within realistic constraints.

d. work effectively in multi-disciplinary and multi-cultural teams.
e. identify, formulate, and solve computer engineering problems.
f. understand professional and ethical responsibility.
g. communicate effectively.
h. understand the impact of engineering solutions in a global/societal context.
i. engage in life-long learning and to keep current of the development in a specific field of specialization.
j. know contemporary issues.
k. use appropriate techniques, skills, and modern tools necessary for computer engineering practice.
l. know and understand engineering and management principles as a member and leader in a team, to manage projects and in multidisciplinary environments.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

FIRST YEAR

First Semester			Units	Second Semester			Units
CPE	C101	Computer Eng'g as a Discipline	1	SSC	C102	Contemporary World	3
HIS	C101	Readings in Philippine History	3	PHI	C102	Ethics	3
ENG	C101	Purposive Communication 1	3	HUM	C102	Art Appreciation	3
FOS	C101	Strategies for Acad Succ in Col	3	MAT	C602	Calculus 2	3
MAT	C101	Mathematics in the Modern World	3	NSC	C104	Physics for Engineers	4
MAT	C601	Calculus 1	3	EGR	C103	Engineering Data Analysis	3
NSC	C204	Chemistry for Engineers	4	CPE	C102	Object-Oriented Programming for CPE	2
CPE	C103	Programming Logic & Design	2	NST	C102	National Service Training Prog 2	3
NST	C101	National Service Training Prog 1	3	PED	C102	(PATHFIT 2)	2
PED	C101	(PATHFIT 1)	2				
			27				26

SECOND YEAR

First Semester			Units	Second Semester			Units
ITC	C201	Database Fundamentals	3	MAT	C202	Linear Algebra	3
MAT	C604	Discrete Structures	3	ENG	C102	Purposive Communication 2	3
NSC	C202	Science, Technology & Society)	3	MAT	C603	Numerical Methods	3
EGR	C101	Computer Aided Drafting	1	CPE	C204	Computer Systems& Troubleshooting	3
EGR	C201	Differential Equations	3	PSY	C101	Understanding the Self	3
EGR	C205	Circuits 1	4	CPE	C315	Computer Application	1
EGR	C203	Engineering Economics	3	ECE	C203	Elec 1: Elec Devices& Circuit	4
CPE	C201	Data Structure & Algorithms	2	CPE	C202	Software Design	4
PED	C201	(PATHFIT 3)	2	PED	C202	(PATHFIT 4)	2
			24				26

THIRD YEAR

First Semester			Units	Second Semester			Units
CPE	C301	Logic Circuits & Design	4	CPE	C313	Artificial Intelligence 1	3
CPE	C303	Data& Digital Communications	3	EGR	C204	Technopreneurship 101	3
CPE	C311	Operating Systems	3	CPE	C302	Computer Networks & Security	4
CPE	C309	Introduction to HDL	1	CPE	C304	Basic Occupational Health & Safety	3
CPE	C307	Cognate/Track Course 1	3	CPE	C306	Microprocessors	4
CPE	C203	Computer Engineering Drafting & Design	1	CPE	C308	Cognate/Track Course 2	3
CPE	C205	Fundamentals of Mixed Signals & Sensors	3	CPE	C305	Digital Signal Processing	4
CPE	C206	Feedback& Control Systems	3				
HIS	C301	Life& Works of Rizal	3				
CPE	C310	CpE Laws & Professional Practice	2				
			26				24

Summer	Units
EGR C302 Methods of Research	3
CPE C401 Computer Architecture & Org	4
	7

Fourth Year

First Semester			Units	Second Semester			Units
CPE	C314	Artificial Intelligence 2	3	CPE	C402	Internship	3
CPE	C405	Emerging Technologies in CpE	3	CPE	C404	CpE Practice & Design 2	2
CPE	C403	CpE Practice & Design 1	1				
CPE	C407	Cognate/Track Course 3	3				
CPE	C409	Seminars& Fieldtrips	2				
CPE	C312	Embedded Systems	4				
			16				5

*EGR C105 (Mathematics for Engineering) 5 units as an additional bridging course for the Non-STEM track.

Cognates/Track Courses

Track 1:	Software Development		9
	Advanced Database Management	3	
	Application Development	3	
	Data Science	3	
Track 2:	System and Network Administration		9
	Network and System Administration	3	
	Network Security	3	
	Cyber Security	3	
Track 3:	Information Technology		9
	Online Technology	3	
	Management & Information System	3	
	Emerging Technology	3	

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSCpE)

		Units	Units
1.	Technical Courses		
	a. Mathematics		12
	Calculus 1	3	
	Calculus 2	3	
	Engineering Data Analysis	3	
	Differential Equations	3	
	b. Physical Science		8
	Physics for Engineers	4	
	Chemistry for Engineers	4	
	c. Basic Engineering Science		9
	Computer-Aided Drafting	1	
	Engineering Economics	3	
	Technopreneurship 101	3	
	Engineering Management	2	
	d. Allied Courses		8
	Circuits 1	4	
	Elec 1: Elec Devices& Circuit	4	
	e. Professional Courses		
	Core Courses		85
	Computer Engineering as a Discipline	1	
	Object-Oriented Programming for CPE	2	
	Programming Logic & Design	2	
	Data Structure & Algorithms	2	
	Software Design	4	
	Computer Engineering Drafting & Design	1	
	Computer Systems& Troubleshooting	3	
	Fundamentals of Mixed Signals & Sensors	3	
	Feedback & Control Systems	3	
	Logic Circuits & Design	4	
	Computer Networks & Security	4	
	Basic Occupational Health & Safety	3	
	Data & Digital Communications	3	
	Digital Signal Processing	4	
	Microprocessors	4	
	Introduction to HDL	1	
	CpE Laws & Professional Practice	2	
	Operating Systems	3	
	Embedded Systems	4	
	Artificial Intelligence 1	3	
	Artificial Intelligence 2	3	
	Computer Application	1	
	Computer Architecture & Organization	2	
	Internship	3	

	CpE Practice & Design 1	1	
	CpE Practice & Design 2	2	
	Emerging Technologies in CpE	3	
	Seminars & Fieldtrips	2	
	Methods of Research	3	
	Database Fundamentals	3	
	Numerical Methods	3	
	Discrete Structures	3	
	f. Technical Elective Courses		9
	Cognate/TrackCourse1	3	
	Cognate/TrackCourse2	3	
	Cognate/TrackCourse3	3	
2.	Non-Technical Courses		
	a. General Education Courses		24
	Art Appreciation	3	
	Science, Technology & Society	3	
	Contemporary World	3	
	Readings in Philippine History	3	
	Understanding the Self	3	
	Purposive Communication 1	3	
	Mathematics in the Modern World	3	
	Ethics	3	
	b. GE Electives/Mandated Courses		12
	Life & Works of Rizal	3	
	Strategies for Academic Success in College	3	
	Purposive Communication 2	3	
	Linear Algebra	3	
	c. Physical Education		8
	PATHFIT 1	2	
	PATHFIT 2	2	
	PATHFIT 3	2	
	PATHFIT 4	2	
	d. National Service Training Program		6
	National Service Training Program 1	3	
	National Service Training Program 2	3	
		Total	**181**

ELECTRONICS ENGINEERING PROGRAM

Electronics Engineering is a branch of engineering that integrates available and emerging technologies with knowledge of mathematics, natural, social and applied sciences to conceptualize, design, and implement new, improved, or innovative electronic, computer, and communication systems, devices, goods, services, and processes.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

The graduates of the Bachelor of Science in Electronics Engineering (BSEcE) are able to:

1. excel in their profession/career utilizing the knowledge acquired in the Electronics Engineering program;
2. become effective collaborators and innovators in the field of Electronics Engineering, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSEcE program shall be able to:

a. apply knowledge of mathematics, sciences, and engineering sciences to the practice of electronics engineering.
b. design and conduct experiments as well as analyze and interpret data.
c. design a system, component, or process to meet needs within realistic constraints.
d. work effectively in a multi-disciplinary and multi-cultural team.
e. identify, formulate, and solve electronics engineering problems.
f. understand professional and ethical responsibility.
g. communicate effectively.
h. understand the impact of engineering solutions in a global/societal context.
i. engage in life-long learning and to keep current of the development in a specific field of specialization.
j. know contemporary issues.
k. use appropriate techniques, skills, and modern tools necessary for electronics engineering practice.
l. know and understand engineering and management principles as a member and leader in a team, to manage projects and in multidisciplinary environments.
m. understand at least one specialized field of electronics engineering field.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
Bachelor of Science in Electronics Engineering

FIRST YEAR

First Semester			Units	Second Semester			Units
ECE	C101	Electronics Engineering as a Discipline	1	HUM	C102	Art Appreciation	3
EGR	C101	Computer Aided Drafting	1	PHI	C102	Ethics	3
ENG	C101	Purposive Communication 1	3	EGR	C203	Engineering Economics	3
HIS	C101	Readings in Philippine History	3	MAT	C601	Calculus 1	3
EGR	C103	Engineering Data Analysis	3	NSC	C202	Science Technology & Society	3
EGR	C106	Mathematics for Engineering 1	3	ECE	C102	Material Science & Engineering	3
EGR	C107	Mathematics for Engineering 2	3	NSC	C204	Chemistry for Engineers	4
MAT	C101	Math in the Modern World	3	NST	C102	National Service Training Program 2	3
FOS	C101	Strategies for Acad Succ in Col	3	PED	C102	(PATHFIT 2)	2
NST	C101	Nat'l Service Training Program 1	3	SSC	C102	Contemporary World	3
PED	C101	(PATHFIT 1)	2				
			28				30

Summer			Units
ECE	C201	Computer Programming	2
MAT	C602	Calculus 2	3
			7

SECOND YEAR

First Semester			Units	Second Semester			Units
ECE	C104	Physics for ECE	4	ECE	C202	Electromagnetics	4
ECE	C203	Electronic 1: Electronics Devices & Circuit	4	ECE	C204	Electronics 2: Electronic Circuit Analysis & Design	4
ECE	C207	Electronics Shopworks	1	ECE	C206	Communications 1: Principles of Communication Systems	4
EGR	C201	Differential Equations	3	ECE	C215	Integrated Course 1	1
EGR	C205	Circuits 1	4	EGR	C206	Circuits 2	4
NSC	C104	Physics for Engineers	4	ENG	C102	Purposive Communication 2	3
PED	C201	(PATHFIT 3)	2	HIS	C301	Life& Works of Rizal	
PSY	C101	Understanding the Self	3	PED	C202	(PATHFIT 4)	2
			25				22

THIRD YEAR

First Semester			Units	Second Semester			Units
ECE	C205	Advanced Engineering Mathematics	4	ECE	C302	Digital Electronics 2: Microprocessor & Microcontroller Systems	4
ECE	C301	Digital Electronics 1: Logic Circuits & Switching Theory	4	ECE	C306	Communications 3: Transmission Media & Antenna System Design	4
ECE	C303	Electronics 3: Electronics Systems & Design	4	ECE	C308	Communications 4: Data Communications	4
ECE	C305	Communications 2: Modulation & Coding Techniques	4	ECE	C314	Methods of Research	3
ECE	C307	Signals, Spectra, Signal Processing	4	ECE	C315	Integrated Course 2	2
MAT	C202	Linear Algebra	3	EGR	C204	Technopreneurship 101	3
			23				24

Summer			Units
ECE	C309	Internship	3
			3

FOURTH YEAR

First Semester		Units	Second Semester		Units
ECE C304	Engineering Management	2	EGR C402	ECE Elective 2	4
ECE C303	Feedback and Control	4	ECE C404	ECE Laws, Contracts, Ethics & Standard & Safety	3
ECE C401	ECE Elective 1	4	ECE C406	Design Project 2	1
ECE C403	Environmental Science & Engineering	3	ECE C415	Integrated Course 3	3
ECE C405	Design Project 1	1			
ECE C409	Seminars/Colloquium	2			
ECE C411	Advanced Computer Networks	4			
		20			8

Electives/Track Courses

Track 1:	Artificial Intelligence		8
	Artificial Intelligence 1	4	
	Artificial Intelligence 2	4	
Track 2:	Broadcasting		8
	Broadcast Production Engineering 1	4	
	Broadcast Production Engineering 2	4	

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING (BSEcE)

	Units	Units
1. Technical Courses		
a. Mathematics		12
Calculus 1	3	
Calculus 2	3	
Engineering Data Analysis	3	
Differential Equations	3	
b. Physical Science		8
Physics for Engineers	4	
Chemistry for Engineers	4	
c. Basic Engineering Science		9
Computer-Aided Drafting	1	
Engineering Economics	3	
Technopreneurship 101	3	
Engineering Management	2	
d. Allied Courses		20
Material Science & Engineering	3	
Physics for ECE	4	
Computer Programming	2	
Environmental Science & Engineering	3	
Circuits 1	4	
Circuits 2	4	
e. Professional Courses		80
Core Courses		

	Electronics Engineering as a Discipline	1	
	Electromagnetics	4	
	Electronic 1: Electronics Devices & Circuit	4	
	Electronic Circuit Analysis & Design	4	
	Advance Engineering Mathematics	4	
	Communications 1: Principles of Communication Systems	4	
	Electronics Shop works	1	
	Digital Electronics 1: Logic Circuits & Switching Theory	4	
	Digital Electronics2: Microprocessor & Microcontroller Systems	4	
	Electronics 3: Electronics Systems & Design	4	
	Communications 2: Modulation & Coding Techniques	4	
	Communications 3: Transmission Media &Antenna System Design	4	
	Signals, Spectra, Signal Processing	4	
	Communications 4: Data Communications	4	
	Internship	3	
	Feedback & Control Systems	4	
	Telephone Systems	3	
	Methods of Research	3	
	ECE Laws, Contracts, Ethics & Standard & Safety	3	
	Design Project 1	1	
	Design Project 2	1	
	Integrated Course 1	1	
	Integrated Course 2	2	
	Integrated Course 3	3	
	Seminars/Colloquium	2	
	Advance Computer Networks	4	
	f. Technical Electives Courses		8
	ECE Elective 1	4	
	ECE Elective 2	4	
2.	Non-Technical Course		
	a. General Education Courses		24
	Art Appreciation	3	
	Science, Technology & Society	3	
	Contemporary World	3	
	Readings in Philippine History	3	
	Understanding the Self	3	
	Purposive Communication 1	3	
	Mathematics in the Modern World	3	
	Ethics	3	
	b. GE Electives/Mandated Courses		12
	Life & Works of Rizal	3	
	Strategies for Academic Success in College	3	

Purposive Communication 2	3	
Linear Algebra	3	
c. Physical Education		8
PATHFIT 1	2	
PATHFIT 2	2	
PATHFIT 3	2	
PATHFIT 4	2	
d. National Service Training Program		6
National Service Training Program 1	3	
National Service Training Program 2	3	
	Total	**187**

Additional Requirements:

1. After their first year, students admitted to the BSEcE Program will be taking a Comprehensive Exam that will cover early Engineering Mathematics courses and science courses, Chemistry, and Physics.

   a. If a student gets the target grade of 60% or above, the student continues with regular status.
   b. If a student fails to achieve the target grade, the student will undergo probationary status.
      i. Students under probationary status will be limited to enroll only 70% of maximum allowable units to be enrolled.
      ii. To lift status, the student needs to get a grade of not lower than 2.5 in all major courses enrolled and without failure. Otherwise, the student will be advised to shift to CPE or any IT-related programs.

2. Students admitted to the BSEcE Program will need to get a grade of 2.5 or better in all their major courses starting in their second year. Students who fail to meet this minimum grade requirement have to re-enroll in the same course until the minimum grade requirement is met and only be allowed to retake the course a maximum of three times. Otherwise, they will be disqualified from the program and be advised to shift to other Engineering programs or IT-related programs.

ENTERTAINMENT AND MULTIMEDIA COMPUTING PROGRAM

Entertainment and Multimedia Computing is the study and use of concepts, principles, and techniques of computing in the design and development of multimedia products and solutions. It includes various applications such as in science, entertainment, simulations, and advertising.

The program enables the students to be knowledgeable of the whole pipeline of Game Development and Digital Animation projects. The students will acquire the independence of new projects, not necessarily based on standard templates.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Entertainment and Multimedia Computing (BSEMC), the graduates will:

1. excel in their profession/career utilizing the knowledge acquired in the game development program;
2. become effective collaborators and innovators in game development, applying professional/technical skills and competencies to make a positive impact on society; and
2. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the Bachelor of Science in Entertainment and Multimedia Computing (BSEMC) program shall be able to:

a. apply knowledge of mathematics, physical sciences, computing sciences to the practice of animation and game development;
b. show specialized computing knowledge in each applicable field and apply such knowledge to provide solutions to actual problems;
c. discuss contemporary issues;
d. analyze project requirements and design and implement project prototypes;
e. recognize, formulate, and solve computing problems;
f. design, build, improve, and deploy products that meet client needs within realistic constraints;
g. use the appropriate techniques, skills and modern computing tools necessary for the practice of being a professional game developer or animator;
h. work effectively in multi-disciplinary and multi-cultural teams;
i. communicate orally and in writing effectively;
j. understand and assess local and global impacts of computing on society relevant to professional computing practice and subscription to accepted industry standards;

k. understand the effects and impact of animation and game development projects on nature and society, and their social and ethical responsibilities;
l. create or use modified artifacts in consideration of intellectual property rights of the author;
m. recognize the need for engaging in self-learning and improving performance as a foundation for continuing professional development;
n. demonstrate original creative output;
o. demonstrate innovativeness in their output; and
p. demonstrate client-centric service.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENTERTAINMENT AND MULTIMEDIA COMPUTING WITH SPECIALIZATION IN DIGITAL ANIMATION TECHNOLOGY

FIRST YEAR

First Semester		Units	Second Semester		Units
HIS	C101 Readings in Philippine History	3	SSC	C102 Contemporary World	3
ENG	C101 Purposive Communication 1	3	PHI	C102 Ethics	3
FOS	C101 Strategies for Academic Success in College	3	HUM	C102 Art Appreciation	3
MAT	C604 Discrete Structures	3	EMC	C102 Human Computer Interaction	3
EMC	C101 Basic Drawing	1	EMC	C104 Digital Imaging	3
EMC	C103 Digital Drawing	2	EMC	C106 Comp Graphics Programming	3
ITC	C103 Fundamentals of IT	3	ITC	C106 Computer Programming 2	3
ITC	C105 Computer Programming 1	3	NST	C102 National Service Training Program 2	3
NST	C101 Nat'l Service Training Program 1	3	PED	C102 (PATHFIT 2)	2
PED	C101 (PATHFIT 1)	2			
		26			26

SECOND YEAR

First Semester		Units	Second Semester		Units
NSC	C102 Physics 1	3	NSC	C201 Kinematics	3
HIS	C307 Life & Works of Rizal	3	EMC	C202 Audio Design & Sound Engineering	3
ITC	C202 Data Structures & Algorithms	3	EMC	C206 Scriptwriting& Storyboard Design	3
EMC	C201 Introduction to Game Design & Development	3	EMC	C502 Visual Effects	3
EMC	C203 Principles of 2D Animation	3	EMC	C504 Advanced 2D Animation	3
EMC	C501 Image& Video Processing	3	EMC	C516 Lighting& Effects	3
MAT	C101 Mathematics in the Modern World	3	EMC	C508 Video Editing	3
PED	C201 (PATHFIT 3)	2	PED	C202 (PATHFIT 4)	2
		23			23

THIRD YEAR

First Semester			Units	Second Semester			Units
EMC	C204	Principles of 3D Animation	3	NSC	C202	Science, Technology & Society	3
ITC	C309	Presentation Skills for IT	3	EMC	C506	DAT Elective 2	3
ITC	C311	Technical Writing for IT	3	EMC	C503	Advanced 3D Animation	3
PSY	C101	Understanding the Self	3	EMC	C302	Design& Production Process	3
EMC	C509	Modelling& Rigging	3	EMC	C304	EMC Project 1	3
ITC	C201	Database Fundamentals	3	EMC	C510	Advanced Sound Production	3
EMC	C505	DAT Elective 1	3	EMC	C512	Compositing& Rendering	3
EMC	C513	Cinematography	3	EMC	C514	Texture & Mapping	3
			24				24

FOURTH YEAR

First Semester			Units	Second Semester			Units
EMC	C401	EMC Project 2	3	EMC	C402	Internship	9
EMC	C511	Animation Design & Production	3				
EMC	C507	DAT Elective 3	3				
ITC	C204	App Dev't & Emerging Tech	3				
			12				9

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENTERTAINMENT AND MULTIMEDIA COMPUTING WITH SPECIALIZATION IN DIGITAL ANIMATION TECHNOLOGY (BSEMC-DAT)

			Units	Units
1.	Technical Courses			
	a.	EMC Core Courses		27
		Basic Drawing	1	
		Digital Drawing	2	
		Introduction to Game Design and Development	3	
		Human-Computer Interaction	3	
		Computer Graphics Programming	3	
		Principles of 2D Animation	3	
		Audio Design and Sound Engineering	3	
		Scriptwriting and Storyboard Design	3	
		Principles of 3D Animation	3	
		Design and Production Process	3	
	b.	EMC Professional Courses		27
		Image and Video Processing	3	
		Advanced 2D Animation	3	
		Lighting and Effects	3	
		Advanced 3D Animation	3	
		Modeling and Rigging	3	
		Advanced Sound Production	3	
		Compositing and Rendering	3	
		Texture and Mapping	3	
		Animation Design and Production	3	
	c.	IT Common Computing Courses		18
		Fundamentals of Information Technology	3	

		Computer Programming 1	3	
		Computer Programming 2	3	
		Database Fundamentals	3	
		Applications Development and Emerging Technologies	3	
		Data Structures and Algorithm	3	
	d.	Professional Elective Courses		9
		DAT Elective 1	3	
		DAT Elective 2	3	
		DAT Elective 3	3	
	e.	Capstone Projects		6
		EMC Project 1	3	
		EMC Project 2	3	
	f.	Internship		9
		Internship	9	
	g.	Domain Courses		21
		Discrete Structures	3	
		Physics 1	3	
		Kinematics	3	
		Digital Imaging	3	
		Visual Effects	3	
		Video Editing	3	
		Cinematography	3	
2.	Non-Technical Course			
	a.	General Education Courses		24
		Understanding the Self	3	
		Readings in Philippine History	3	
		Contemporary World	3	
		Mathematics in the Modern World	3	
		Purposive Communication 1	3	
		Arts Appreciation	3	
		Science, Technology, and Society	3	
		Ethics	3	
	b.	GE Electives/Mandated Courses		12
		Technical Writing for IT	3	
		Presentation Skills for IT	3	
		Strategies for Academic Success in College	3	
		Life and Works of Rizal	3	
	c.	Physical Education		8
		PATHFIT 1	2	
		PATHFIT 2	2	
		PATHFIT 3	2	
		PATHFIT 4	2	
	d. National Service Training Program			6
		National Service Training Program 1	3	
		National Service Training Program 2	3	
			Total	**167**

ENTERTAINMENT AND MULTIMEDIA COMPUTING WITH SPECIALIZATION IN GAME DEVELOPMENT

The BS EMC with specialization in Game Development refers to the study and application of fundamental and advanced theories in game design, scientific simulations, use and development of gaming technology and tools, and production of commercially acceptable digital games and viable solutions for use in entertainment and scientific applications.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENTERTAINMENT AND MULTIMEDIA COMPUTING WITH SPECIALIZATION IN GAME DEVELOPMENT

FIRST YEAR

First Semester	Units	Second Semester	Units
HIS C101 Readings in Philippine History	3	SSC C102 Contemporary World	3
ENG C101 Purposive Communication 1	3	PHI C102 Ethics	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
MAT C604 Discrete Structure	3	EMC C102 Human Computer Interaction	3
EMC C101 Basic Drawing	1	EMC C104 Digital Imaging	3
EMC C103 Digital Drawing	2	EMC C106 Comp Graphics Prog	3
ITC C103 Fundamentals of IT	3	ITC C106 Computer Programming 2	3
ITC C105 Computer Programming 1	3	NST C102 National Service Training Program 2	3
NST C101 National Service Training Program 1	3	PED C102 (PATHFIT 2)	2
PED C101 (PATHFIT 1)	2		
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
PSY C101 Understanding the Self	3	EMC C202 Audio Design & Sound Engineering	3
MAT C101 Mathematics in the Modern World	3	EMC C206 Scriptwriting & Storyboard Design	3
NSC C102 Physics 1	3	EMC C602A Game Studies, Theories & Methodologies	3
ITC C202 Data Structures & Algorithms	3	EMC C610 Applied Game Physics	3
EMC C201 Introduction to Game Design & Development	3	EMC C608 Object-Oriented Programming for Games	3
EMC C203 Principles of 2D Animation	3	NSC C201 Kinematics	3
EMC C601 Applied Mathematics for Games	3	EMC C602 Game Programming 1	3
PED C201 (PATHFIT 3)	2	PED C202 (PATHFIT 4)	2
	23		23

THIRD YEAR

First Semester		Units	Second Semester		Units
EMC	C204 Principles of 3D Animation	3	EMC	C609 Advanced Game Design	3
ITC	C309 Presentation Skills in IT	3	HIS	C301 Life& Works of Rizal	3
ITC	C311 Technical Writing for IT	3	EMC	C302 Design& Production Process	3
NSC	C202 Science, Technology & Society	3	EMC	C304 EMC Project 1	3
ITC	C201 Database Fundamentals	3	EMC	C604 Game Programming 3	3
EMC	C603 Game Programming 2	3	EMC	C612 AI in Game Development	3
EMC	C605 GAD Elective 1	3	EMC	C614 Multi-Player & Network Games	3
EMC	C613 Game Art& Asset Development	3	EMC	C616A GAD Elective 2	3
		24			24

FOURTH YEAR

First Semester		Units	Second Semester		Units
EMC	C401 EMC Project 2	3	EMC	C402 GAD Internship	9
EMC	C611 Game Production	3			
EMC	C607 GAD Elective 3	3			
ITC	C204 Applications Development & Emerging Technologies	3			
		12			9

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENTERTAINMENT AND MULTIMEDIA COMPUTING WITH SPECIALIZATION IN GAME DEVELOPMENT (BSEMC-GAD)

		Units	Units
1.	**Technical Courses**		27
	a. EMC Core Courses		
	Basic Drawing	1	
	Digital Drawing	2	
	Introduction to Game Design and Development	3	
	Human Computer Interaction	3	
	Computer Graphics Programming	3	
	Principles of2DAnimation	3	
	Audio Design and Sound Engineering	3	
	Scriptwriting and Storyboard Design	3	
	Principles of3DAnimation	3	
	Design and Production Process	3	
	b. EMC Professional Courses		27
	GameProgramming1	3	
	GameProgramming2	3	
	Applied Mathematics for Games	3	
	Applied Game Physics	3	
	GameProgramming3	3	
	Artificial Intelligence in Game Development	3	
	Advanced Game Design	3	
	Multi player and Network Games	3	

	Game Production	3	
c.	IT Common Computing Courses		18
	Fundamentals of Information Technology	3	
	ComputerProgramming1	3	
	ComputerProgramming2	3	
	Database Fundamentals	3	
	Applications Development and Emerging Technologies	3	
	Data Structures and Algorithm	3	
d.	Professional Elective Courses		9
	GAD Elective1	3	
	GAD Elective2	3	
	GAD Elective3	3	
e.	Capstone Projects		6
	EMC Project1	3	
	EMC Project2	3	
f.	Internship		9
	Internship	9	
g.	Domain Courses		21
	Discrete Structures	3	
	Digital Imaging	3	
	Physics 1	3	
	Kinematics	3	
	Game Studies, Theories, and Methodologies	3	
	Object-Oriented Programming for Games	3	
	Game Art and Asset Development	3	
2.	Non-Technical Course		
a.	General Education Courses		24
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	
	Mathematics in the Modern World	3	
	Purposive Communication 1	3	
	Arts Appreciation	3	
	Science, Technology & Society	3	
	Ethics	3	
b.	GE Electives/Mandated Courses		12
	Technical Writing for IT	3	
	Presentation Skills in IT	3	
	Life & Works of Rizal	3	
	Strategies for Academic Success in College	3	
c.	Physical Education		8
	PATHFIT 1	2	
	PATHFIT 2	2	
	PATHFIT 3	2	
	PATHFIT 4	2	
d.	National Service Training Program		6

National Service Training Program 1	3	
National Service Training Program 2	3	
	Total	**167**

INFORMATION TECHNOLOGY PROGRAM

The Bachelor of Science in Information Technology (BSIT) program highlights the practical application of information technology (IT). It provides students with the breadth and depth of IT needed for professional success in the field. It prepares students to be well-versed in application installation, operation, development, maintenance, administration, and familiarity with hardware installation, operation, and maintenance.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Information Technology (BSIT), the graduates will:

1. excel in their profession/career utilizing the knowledge acquired in the Information Technology program;
2. become effective collaborators and innovators in information technology, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSIT program shall be able to:

a. apply the knowledge of computing, science, and mathematics appropriate to the discipline;
b. understand best practices and standards and their applications;
c. analyze complex problems, identify and define the computing requirements appropriate to its solution;
d. identify and analyze user needs and take them into account in the selection, creation, evaluation, and administration of computer-based system;
e. design, implement and evaluate computer-based systems, processes, components, or programs to meet desired needs and requirements under various constraints;
f. integrate IT-based solutions into the under environment effectively;

g. apply knowledge through the use of current techniques, skills, tools, and practices necessary for the IT profession;
h. function effectively as a member or leader of a development team recognizing the different roles within a team to accomplish a common goal;
i. assist in the creation of an effective IT project plan;
j. communicate effectively with the computing community and with society at large about complex computing activities through logical writing, presentations, and clear instructions;
k. analyze the local and global impact of computing information technology on individuals, organizations, and society; understand professional, ethical, legal, security, and social issues and responsibilities in the utilization of information technology; and
l. recognize the need for and engage in planning, self-learning, and improving performance as a foundation for continuing professional development.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

FIRST YEAR

First Semester		Units	Second Semester		Units
HIS	C101 Readings in Philippine History	3	SSC	C102 Contemporary World	3
ENG	C101 Purposive Communication 1	3	PHI	C102 Ethics	3
FOS	C101 Strategies for Academic Success in College	3	HUM	C102 Art Appreciation	3
MAT	C101 Mathematics in the Modern World	3	MAT	C604 Discrete Structures	3
ITC	C103 Fundamentals of IT	3	ITC	C102 Computer System & Troubleshooting for IT	3
ITC	C105 Computer Programming 1	3	ITC	C106 Computer Programming 2	3
NST	C101 National Service Training Program 1	3	NST	C102 National Service Training Program 2	3
PED	C101 (PATHFIT 1)	2	PED	C102 (PATHFIT 2)	2
		23			23

SECOND YEAR

First Semester		Units	Second Semester		Units
HIS	C301 Life& Works of Rizal	3	ITC	C501 ITE Elective 1	3
NSC	C202 Science, Technology & Society	3	PSY	C101 Understanding the Self	3
EMC	C102 Human Computer Interaction	3	ITC	C202 Data Structures & Algorithms	3
ITC	C201 Database Fundamentals	3	MAT	C606 Quantitative Techniques for IT	3
ITC	C203 Social& Professional Issues in IT	3	ITC	C502 Advanced Database Management System	3
ITC	C209 Object Oriented Programming	3	ITC	C504 Multimedia Development	3
ITC	C204 Applications Development & Emerging Technologies	3	ACC	C103 Fundamentals of Accounting	3
PED	C201 (PATHFIT 3)	2	PED	C202 (PATHFIT 4)	2
		23			23

THIRD YEAR

First Semester		Units	Second Semester		Units
ITC	C309 Presentation Skills for IT	3	CPE	C204 Technopreneurship 101	3
ITC	C311 Technical Writing for IT	3	ITC	C302 System Integrated & Arch 1	3
ITC	C313 Project Management	3	ITC	C306 Network Technologies 2	3
ITC	C305 Network Technologies 1	3	ITC	C304 Information Security 2	3
ITC	C303 Information Security 1	3	ITC	C310 IT Project 1	3
ITC	C301 Integrated Programming &Tech 1	3	ITC	C506 ITE Elective 3	3
ITC	C503 ITE Elective 2	3	ITC	C312 Software Design & Implementation	3
		21			21

FOURTH YEAR

First Semester		Units	Second Semester		Units
ITC	C401 Sys Admin & Maintenance	3	ITC	C402 Internship	6
ITC	C403 IT Project 2	3			
EMC	C307 Foundation of Business Analytics	3			
ITC	C508 ITE Elective 4	3			
		12			6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)

		Units	Units
1.	Technical Courses		
	a. IT Core Courses		18
	Fundamentals of Information Technology	3	
	Computer Programming 1	3	
	Computer Programming 2	3	
	Database Fundamentals	3	
	Applications Development and Emerging Technologies	3	
	Data Structures and Algorithm	3	
	b. IT Professional Courses		48
	Discrete Structures	3	
	Quantitative Techniques for IT	3	
	Human-Computer Interaction	3	
	Information Security 1	3	
	Information Security 2	3	
	Advanced Database Management Systems	3	
	Integrative Programming and Technologies 1	3	
	Network Technologies 1	3	
	Network Technologies 2	3	
	System Administration and Maintenance	3	
	System Integration and Arch 1	3	
	Social and Professional Issues in IT	3	
	IT Project 1	3	
	IT Project 2	3	
	Internship		
	c. IT Domain Courses		21
	Fundamentals of Accounting	3	
	Computer Systems and Troubleshooting for IT	3	

	Object-Oriented Programming	3	
	Multimedia Development	3	
	Project Management	3	
	Technopreneurship 101	3	
	Software Design and Implementation	3	
d.	Professional Elective Courses		12
	ITE Elective 1	3	
	ITE Elective 2	3	
	ITE Elective 3	3	
	ITE Elective 4	3	
2.	Non-Technical Course		
a.	General Education Courses		24
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	
	Mathematics in the Modern World	3	
	Purposive Communication 1	3	
	Arts Appreciation	3	
	Science, Technology, and Society	3	
	Ethics	3	
b.	GE Electives/Mandated Courses		15
	Foundation of Business Analytics		
	Technical Writing for IT		
	Presentation Skills for IT		
	Life & Works of Rizal	3	
	Strategic for Academic Success in College	3	
c.	Physical Education		8
	PATHFIT 1	2	
	PATHFIT 2	2	
	PATHFIT 3	2	
	PATHFIT 4	2	
d.	National Service Training Program		6
	National Service Training Program 1	3	
	National Service Training Program 2	3	
		Total	**152**

INFORMATION TECHNOLOGY WITH SPECIALIZATION IN BUSINESS ANALYTICS PROGRAM

This specialization track covers a balance of functional areas, which increases competencies in understanding data structures, data analysis, and data interpretation. The knowledge can be applied to any industry where data can be used for operational optimization and competitive advantage, which can cater to both local and international industries that demand analytics skills.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Information Technology (BSIT) major in Business Analytics, the graduates will:

1. excel in their profession/career utilizing the knowledge acquired in the Business Analytics program;
2. become effective collaborators and innovators in analytics, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSIT major in Business Analytics program shall be able to:

a. understand data management concepts and criticality of data availability in order to make reliable business decisions;
b. demonstrate an understanding of business intelligence, including the importance of data gathering, data storing, data analyzing, and accessing data;
c. describe where to look for data in an organization and create required reports;
d. apply different analytics modeling concepts on enterprise data;
e. understand the functions and data access constraints of various departments within an organization and provide compliance reports;
f. work on various analytic tools available in the market for various business functions;
g. participate actively in business discussions with various departments and create common reports or specific/unique reports with regard to predictive and prescriptive analytics;
h. understand the business processes as they relate to data analysis and optimization;
i. convey results of analysis to organizational stakeholders at various levels;
j. perform high-quality tasks required by the organization in particular and the industry in general.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY WITH SPECIALIZATION IN BUSINESS ANALYTICS

FIRST YEAR

First Semester		Units	Second Semester		Units
HIS	C101 Readings in Philippine History	3	SSC	C102 Contemporary World	3
ENG	C101 Purposive Communication 1	3	PHI	C102 Ethics	3
FOS	C101 Strategies for Academic Success in College	3	HUM	C102 Art Appreciation	3
ITC	C103 Fundamentals of IT	3	MAT	C604 Discrete Structures	3
ITC	C105 Computer Programming 1	3	ITC	C106 Computer Programming 2	3
ITC	C601 Statistics for Business Analytics	3	ITC	C602 Advanced Statistics	3
ITC	C603 Macro Programming	3	ITC	C604 Data Analysis Using Excel	3
NST	C101 Nat'l Service Training Program 1	3	NST	C102 Nat'l Service Training Program 2	3
PED	C101 (PATHFIT 1)	2	PED	C102 (PATHFIT 2)	2
		26			26

SECOND YEAR

First Semester		Units	Second Semester		Units
ITC	C201 Database Fundamentals	3	MAT	C606 Quantitative Tech for IT	3
MAT	C101 Mathematics in Modern World	3	ITC	C301 Integrative Programming & Technologies 1	3
EMC	C102 Human-Computer Interaction	3	ITC	C605 Data Management & Statistical Analysis Using R	3
ITC	C202 Data Structures & Algorithms	3	ITC	C607 Fundamentals of Business Analytics	3
ITC	C203 Social& Professional Issues in IT	3	ITC	C616 Data Storytelling & Dashboard Design	3
ITC	C204 Applications Development & Emerging Technologies	3	NSC	C202 Science, Technology & Society	3
PED	C201 (PATHFIT 3)	2	PED	C202 (PATHFIT 4)	2
		20			20

THIRD YEAR

First Semester		Units	Second Semester		Units
HIS	C301 Life& Works of Rizal	3	ITC	C304 Information Security 2	3
ITC	C302 System Integration & Arch 1	3	ITC	C306 Network Technologies 2	3
ITC	C309 Presentation Skills for IT	3	ITC	C310 IT Project 1	3
ITC	C311 Technical Writing for IT	3	ITC	C610 Fundamentals of Analytics Modeling	3
ITC	C609 Enterprise Data Management	3	ITC	C614 Data Modeling	3
ITC	C303 Information Security 1	3	PSY	C101 Understanding the Self	3
ITC	C305 Network Technologies 1	3			
		21			18

FOURTH YEAR

First Semester		Unit	Second Semester		Units
ITC	C206 Introduction to ERP	3	ITC	C402 Internship	6
ITC	C401 System Administration & Maintenance	3			
ITC	C403 IT Project 2	3			
ITC	C611 Analytics Application	3			
ITC	C612 Analytics Techniques & Tools	3			
		15			6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY WITH SPECIALIZATION IN BUSINESS ANALYTICS (BSIT-BA)

		Units	Units
1.	Technical Courses		
	a. IT Common Courses		18
	Fundamentals of Information Technology	3	
	Computer Programming 1	3	
	Computer Programming 2	3	
	Database Fundamentals	3	
	Applications Development and Emerging Technologies	3	
	Data Structures and Algorithm	3	
	b. IT Professional Courses		51
	Human Computer Interaction	3	
	Information Security 1	3	
	Information Security 2	3	
	Data Modeling	3	
	Integrative Programming & Technologies 1	3	
	Discrete Structures	3	
	Quantitative Techniques for IT	3	
	Network Technologies 1	3	
	Network Technologies 2	3	
	Internship	6	
	System Administration & Maintenance	3	
	System Integration & Arch 1	3	
	Social & Professional Issues in IT	3	
	IT Project 1	3	
	IT Project 2	3	
	Analytic Application	3	
	c. IT Domain Courses		18
	Statistics for Business Analytics	3	
	Macro Programming	3	
	Advanced Statistics	3	
	Data Analysis using Excel	3	
	Data Management and Statistical Analysis using	3	
	Data Storytelling and Dashboard Design Using	3	
	d. Professional Elective Courses		12
	ITE Elective 1 – Fundamentals of Business Analysis	3	
	ITE Elective 2 – Enterprise Data Management	3	
	ITE Elective 3 – Fundamentals of Analysis Modelling	3	
	ITE Elective 4 – Analytics Techniques & Tools	3	
2.	Non-Technical Course		
	a. General Education Courses		24
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	

	Mathematics in the Modern World	3	
	Purposive Communication 1	3	
	Arts Appreciation	3	
	Science, Technology & Society	3	
	Ethics	3	
b.	Electives/Mandated Courses		15
	Introduction to ERP	3	
	Technical Writing for IT	3	
	Presentation Skills for IT	3	
	Life & Works of Rizal	3	
	Strategies for Academic Success in College	3	
c.	Physical Education		8
	PATHFIT 1	2	
	PATHFIT 2	2	
	PATHFIT 3	2	
	PATHFIT 4	2	
d.	National Service Training Program		6
	National Service Training Program 1	3	
	National Service Training Program 2	3	
		Total	**152**

COLLEGE OF EDUCATION, ARTS, AND SCIENCES

Mission

The College aims to mold and graduate leaders in education, arts, and sciences with established transnational knowledge, skills, and values toward transformation in a technology-driven society.

Vision

To be distinguished trailblazers and agents of positive change in the practice of education, arts, & sciences professions with integrity that will address real-world challenges; focus on a global perspective; articulate and initiate solid growth; and impact the community through cutting-edge instruction, research, and community engagement toward a desired future.

LIBERAL ARTS PROGRAM

The Liberal Arts program is meant to prepare its students for full and balanced lives as individuals and responsible citizens by instilling the analytical approach by which the truth is arrived at; acquainting the student with the broad major areas of intellectual knowledge, namely, the natural sciences, the social sciences, and humanities; fostering a desirable intellectual facility through the

development of clarity of thought and expression, compassionate insight into human needs and aspirations, moral and esthetic awareness, and receptiveness to divergent ideas and proposals; facilitating awareness and enjoyment of the intellectual quality of life; for itself and not merely as a means for other intentions.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Arts (AB) in English, the graduates will be able to:

1. excel in their profession/career utilizing the knowledge acquired in the AB English program;
2. become effective collaborators and innovators in language, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the Bachelor of Arts (AB) in the English program shall be able to:

a. effectively articulate developments in the field with both English and Filipino as modes of communication, anchored on historical, cultural, professional, and ethical norms being a Filipino;
b. apply the critical and creative use of theories and methodologies as a manifestation of learned research, artistic skills, and as aids/ bridges for humanistic and lifelong learning;
c. actively engage in the practice and enhancement of the macro and micro-skills in language to show the accuracy and fluency in English amid a multicultural setting;
d. generate outcomes that showcase refinements, inflections, and nuances in written texts and oral discourses; and
e. extend knowledge, ability, and resources beyond the confines of the academe to respond to the needs of the community and society as a whole.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF ARTS MAJOR IN ENGLISH LANGUAGE STUDIES

FIRST YEAR

First Semester		Units	Second Semester		Units
ENG	C101 Purposive Communication 1	3	ENG	C102 Purposive Communication 2	3
ENG	C105 History of the English Language	3	ENG	C104 Theories of Language & Language Acquisition	3
ENG	C107 Introduction to the English Language System	3	ENG	C403 Language & Law	3
FOS	C101 Strategies Academic Success in College	3	HUM	C102 Art Appreciation	3
HIS	C101 Readings in Philippine History	3	MAT	C101 Mathematics in the Modern World	3
PHI	C102 Ethics	3	SSC	C102 Contemporary World	3
NST	C101 National Service Training Program 1	3	NST	C102 Nat'l Service Training Program 2	3
PED	C101 (PATHFIT 1)	2	PED	C102 (PATHFIT 2)	2
		23			23

SECOND YEAR

First Semester		Units	Second Semester		Units
ENG	C201 English Phonology & Morphology	3	ENG	C205 Foundations of English Language (Teaching &Learning)	3
ENG	C202 Semantics of English	3	ENG	C206 Language of Literary Texts	3
ENG	C203 English Syntax	3	ENG	C301 English Discourse	3
ENG	C217 Introduction to Language, Society & Culture	3	ENG	C307 Language for Non-Literary Texts	3
ENG	C305 Computer-Mediated Communication	3	NSC	C202 Science Technology & Society	3
PSY	C101 Understanding the Self	3	HIS	C301 Life& Works of Rizal	3
PED	C201 (PATHFIT 3)	2	PED	C202 (PATHFIT 4)	2
		20			20

THIRD YEAR

First Semester		Units	Second Semester		Units
ENG	C103 Purposive Communication 3	3	ENG	C306 English Language Testing & Assessment	3
ENG	C106 Multilingualism & Multiculturalism	3	ENG	C308 ELT Approaches & Methods	3
ENG	C303 Stylistics	3	ENG	C310 Language& Journalism	3
ENG	C319 Special Topics in English Across the Professions	3	ENG	C401 Instructional Materials Development& Evaluation	3
ENG	C404 Issues& Perspectives in English Across the Professions	3	FLN	C106 Spanish 2	3
FLN	C105 Spanish 1	3	RES	C401 Research 1	3
		18			18

FOURTH YEAR

First Semester		Units	Second Semester		Units
ENG	C207 English Language Curriculum Development	3	ABP	C401 Practicum	3
FLN	C109 Basic Mandarin	3	ENG	C406 Language of Advertising	3
RES	C402 Research 2 (Thesis)	3	FLN	C110 Advanced Mandarin	3
		9			9

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS IN ENGLISH LANGUAGE STUDIES (AB ELS)

		Units	Units
1.	General Education		36
	Purposive Communication 1	3	
	Readings in Philippine History	3	
	Mathematics in the Modern World	3	
	Art Appreciation	3	
	Understanding the Self	3	
	Ethics	3	
	Contemporary World	3	
	Science, Technology, and Society	3	
	Purposive Communication 2 – Oral Communication	3	
	Purposive Communication 3 – Technical Writing	3	
	Strategies for Academic Success in College	3	
	Life and Works of Rizal	3	
2.	Core Courses		45
	Introduction to the English Language System	3	
	Theories of Language and Language Acquisition	3	
	History of the English Language	3	
	English Phonology and Morphology	3	
	English Syntax	3	
	Semantics of English	3	
	English Discourse	3	
	Stylistics	3	
	Introduction to Language, Society & Culture	3	
	Language of Literary Texts	3	
	Language for Non-Literary Texts	3	
	Computer-Mediated Communication	3	
	Research 2	3	
	Practicum	3	
3.	Major Courses / Cognates		33
	Multilingualism and Multiculturalism	3	
	ELT Approaches and Methods	3	
	Instructional Materials Development and Evaluation	3	
	English Language Testing and Assessment	3	
	Foundations of English Language (Teaching and Learning)	3	
	English Language Curriculum Development	3	
	Language and Journalism	3	
	Language of Advertising	3	
	Language and Law	3	
	Issues and Perspectives in English across the Professions	3	
	Special Topics in English Across the Professions	3	

4.	Foreign Language Elective		12
	Spanish 1	3	
	Spanish 2	3	
	Basic Mandarin	3	
	Advanced Mandarin	3	
5.	Mandated Courses		14
	PATHFIT 1, 2, 3, 4	8	
	National Service Training Program 1, 2	6	
		Total	**146**

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Arts (AB) in History, the graduates will be able to:

1. excel in their profession/career utilizing the knowledge acquired in the AB History program;
2. become effective collaborators and innovators in history and related events, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the Bachelor of Arts (AB) in History program shall be able to:

a. manifest knowledge in history and its interdisciplinary discipline;
b. show the breadth of skills in critical thinking, creative, and imaginative in relation to history;

c. function as an effective communicator for social development;
d. identify pressing issues that are related to history in general;
e. analyze historical data from multiple viewpoints and be exposed to genuine knowledge in history; and
f. recognize the relevance of the history of the past to contemporary issues and concerns.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF ARTS MAJOR IN HISTORY

FIRST YEAR

First Semester			Units	Second Semester			Units
ENG	C101	Purposive Communication 1	3	ENG	C102	Purposive Communication 2	3
FOS	C101	Strategies for Academic Success in College	3	HIS	C305	Philosophy of History	3
HIS	C101	Readings in Philippine History	3	HUM	C102	Art Appreciation	3
HIS	C103	Introduction to the Study of Writing of History	3	MAT	C101	Mathematics in the Modern World	3
PHI	C102	Ethics	3	SSC	C102	Contemporary World	3
NST	C101	National Service Training Program 1	3	PSY	C101	Understanding the Self	3
PED	C101	(PATHFIT 1)	2	NST	C102	National Service Training Program 2	3
				PED	C102	(PATHFIT 2)	2
			20				23

SECOND YEAR

First Semester			Units	Second Semester			Units
FLN	C105	Spanish 1	3	FLN	C106	Spanish 2	3
HIS	C102	Survey of Asian Civilizations	3	HIS	C202	Political Science	3
HIS	C201	Historical Methodology	3	HIS	C204	Pre-16th Century Philippines	3
HIS	C203	Survey of Western Civilizations	3	HIS	C206	Mainland South East Asia	3
HIS	C207	Island South East Asia	3	HIS	C208	Philippine Cultural History	3
HIS	C301	Life & Works of Rizal	3	NSC	C202	Science Technology & Society	3
PED	C201	(PATHFIT 3)	2	PED	C202	(PATHFIT 4)	2
HIS	C205	World History 1	3	HIS	C210	History 2	3
			23				23

THIRD YEAR

First Semester			Units	Second Semester			Units
FLN	C107	Spanish 3	3	FLN	C108	Spanish 4	3
HIS	C303	History of the United States	3	HIS	C302	Ethnic Histories	3
HIS	C307	Modern& Contemporary Europe	3	HIS	C304	Islamic History as Global History	3
HIS	C309	Philippine Social & Political History	3	HIS	C310	Philippine Diplomatic History	3
HIS	C311	Philippine Economic History	3	SSC	C304	Geography	3
				RES	C401	Research 1	3
			15				18

FOURTH YEAR

First Semester			Units	Second Semester			Units
HIS	C401	Nationalism & Revolution	3	ABP	C401	Practicum	3
RES	C402	Research 2 (Thesis)	3	HIS	C402	Modern East Asia	3
			6				6

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS IN HISTORY (AB His)

		Units	Units
1.	General Education		33
	Readings in Philippine History	3	
	Purposive Communication 1	3	
	Ethics	3	
	Contemporary World	3	
	Art Appreciation	3	
	Understanding the Self	3	
	Science, Technology, and Society	3	
	Mathematics in the Modern World	3	
	Life and Works of Rizal	3	
	FOS (Strategies for Academic Success in College)	3	
	Purposive Communication 2	3	
2.	Core Courses		27
	Introduction to the Study of Writing of History	3	
	Historical Methodology	3	
	Philosophy of History	3	
	Survey of Asian Civilizations	3	
	Survey of Western Civilizations	3	
	Spanish 1, 2, 3, 4	12	
3.	Major Courses		27
	Island South East Asia	3	
	Mainland South East Asia	3	
	History of the United States	3	
	Modern and Contemporary Europe	3	
	Pre-16th Century Philippines	3	
	Nationalism and Revolution	3	
	Philippine Social & Political History	3	
	Modern East Asia	3	
	Political Science	3	
4.	Thematic Courses		18
	Philippine Cultural History	3	
	Philippine Economic History	3	
	Ethnic Histories	3	
	Geography	3	
	Islamic History as Global History	3	
	Philippine Diplomatic History	3	
5.	Mandated Courses		23
	PATHFIT 1, 2, 3, 4	8	
	National Service Training Program (NSTP) 1, 2	6	
	Practicum	3	
	Research 1 & 2	6	
		Total	**131**

APPLIED MATHEMATICS PROGRAM

The Bachelor of Science in Applied Mathematics (BSAM) is a degree program that focuses on the practical applications of mathematical principles in various fields. It equips students with a strong foundation in mathematical theory, analytical skills, and computational techniques. The curriculum typically covers topics such as calculus, linear algebra, differential equations, probability, and statistics. Graduates with a BS in Applied Mathematics find careers in diverse industries, including finance, engineering, data science, and research. They are highly sought after for their problem-solving abilities, analytical thinking, and ability to translate complex mathematical concepts into real-world solutions.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Applied Mathematics (BSAM), the graduates will:

1. Excel in their profession/career utilizing the knowledge acquired in the BS Applied Mathematics program;
2. Become effective collaborators and innovators in Applied Mathematics professions, applying professional/technical skills and competencies to make a positive impact on society; and
3. Be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSAM program shall be able to:

a. Demonstrate their mastery of both basic and complex mathematics, including algebra, calculus, statistics, probability, and numerical analysis.
b. Explain mathematical concepts and solutions to a variety of audiences both orally and in writing.
c. Be adept at data analysis, modeling, and simulation using computational tools and software.
d. Be competent in recognizing, formulating, and resolving mathematical issues with the use of pertinent theories and methods.
e. Comprehend how mathematics is used in a variety of disciplines, including technology, science, engineering, and economics.

f. Understand the value of obligations and professional ethics in the field of applied mathematics.
g. Be equipped to pursue post-graduate courses in mathematics or related subjects as well as further career and professional growth.
h. Capable of working in multidisciplinary environments both independently and as team members or leaders.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN APPLIED MATHEMATICS

FIRST YEAR

First Semester	Units	Second Semester	Units
MAT C305 Calculus 1	4	MAT C304 Calculus II	4
ITC C107 Fundamentals of Computing I	3	ITC C108 Fundamentals of Computing II	3
MAT C101 Mathematics in the Modern World	3	MAT C203 Discrete Mathematics	3
PSY C101 Understanding the Self	3	NSC C202 Science, Technology and Society	3
FOS C101 Strategies for Academic Success in College	3	HIS C101 Readings in Philippine History	3
NST C101 National Service Training Program I	3	NST C102 National Service Training Program 2	3
PED C101 (PATHFIT 1)	2	PED C102 (PATHFIT 2)	2
	21		21

SECOND YEAR

First Semester	Units	Second Semester	Units
MAT C401 Calculus III	4	ITC C201 Database Fundamentals	3
MAT C212 Fundamental Concepts of Mathematics	3	MAT C202 Linear Algebra	3
NSC C209 Physics 1	4	MAT C102 Probability	3
ITC C105 Computer Programming I	3	NSC C210 Physics 2	3
ITC C202 Data Structure and Algorithm	3	HUM C102 Art Appreciation	3
ENG C101 Purposive Communication I	3	ITC C106 Computer Programming 2	3
PED C201 (PATHFIT 3)	2	PED C202 (PATHFIT 4)	2
	22		20

THIRD YEAR

First Semester	Units	Second Semester	Units
MAT C404 Advanced Calculus	3	MAT C501 Numerical Analysis	3
MAT C306 Statistical Theory	3	MAT C502 Theory of Interest	3
MAT C315 Operations Research	3	MAT C201 Mathematical Finance	3
MAT C307 Actuarial Mathematics	3	MAT C309 Advanced Statistics	3
MAT C402 Differential Equations	3	MAT C302 Mathematical Modeling	3
HIS C301 Life and Works of Rizal	3	RES C401 Research 1	3
	18		18

FOURTH YEAR

First Semester	Units	Second Semester	Units
SSC C102 Contemporary World	3	MAT C506 On-The-Job Training	6
MAT C505 Fundamentals of Data Analysis	3		
PHI C102 Ethics	3		
RES C402 Research 2 (Thesis)	3		
	12		6

GROUP REQUIREMENTS FOR THE DEGREE OF
Bachelor of Science in Applied Mathematics (BSAM)

		Units	Units
A.	**General Education (GE) Courses**		24
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	
	Ethics	3	
	Mathematics in the Modern World	3	
	Science, Technology, & Society	3	
	Purposive Communication 1	3	
	Art Appreciation	3	
	Mandated Courses		3
	Life and Works of Rizal	3	
	General Education Electives		9
	Research 1	3	
	Computer Programming 1	3	
	Computer Programming 2	3	
B.	**Core Courses**		51
	Calculus I	4	
	Calculus II	4	
	Calculus III	4	
	Fundamentals of Computing I	3	
	Fundamentals of Computing II	3	
	Discrete Mathematics	3	
	Fundamental Concepts of Mathematics	3	
	Linear Algebra	3	
	Probability	3	
	Advanced Calculus	3	
	Statistical Theory	3	
	Operations Research	3	
	Differential Equations	3	
	Numerical Analysis	3	
	Theory of Interest	3	
	Mathematical Modeling	3	
C.	**Non-Math Foundational Courses**		10
	Physics 1	4	
	Physics 2	3	
	Fundamentals of Data analysis	3	
D.	**Qualified Electives**		6
	Database Fundamentals	3	
	Data Structures and Algorithm	3	
E.	**Mathematics Electives**		9
	Mathematical Finance	3	
	Advanced Statistics	3	
	Actuarial Mathematics	3	
F.	**Free Elective**		6

	On-the-Job training	6	
G.	**Thesis or Special Problem**		3
	Research 2	3	
H.	**Physical Education Courses**		8
	PATHFIT 1	2	
	PATHFIT 2	2	
	PATHFIT 3	2	
	PATHFIT 4	2	
I.	**NSTP**		6
	NSTP 1	3	
	NSTP 2	3	
J.	**University Required Course**		3
	Strategic Success in College	3	
		Total	**138**

EDUCATION PROGRAM

The Education program of the University prepares students for a gainful and intellectually satisfying role as teachers and specialists in the Elementary and Secondary levels in both the public and private educational sectors through imparting a thorough knowledge of subject matter and familiarity with the competencies essential to professional educational practice; evolving such types of preparations as shall ensure the broadest possible social as well as academic and professional education in a dramatically changing world; a broad awareness of the various inputs and areas of training which makes for an effective but human teacher; and competence with the technical skills necessary for an effective teacher.

The Education program includes courses leading to the following degrees: Bachelor of Elementary Education (BEEd) and Bachelor of Secondary Education (BSEd). Candidates for the BSEd degree may major in English, Mathematics, or Social Studies.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

A graduate of a Bachelor of Elementary Education (BEEd) or Bachelor of Secondary Education (BSEd) degree should be able to:

1. excel in their profession utilizing the knowledge acquired in the Elementary/ Secondary education program;
2. become effective collaborators and innovators applying professional skills and competencies to make a positive impact on society; and
3. be engaged in lifelong learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BEEd or BSEd program shall be able to:

a. actively demonstrate the best practices they have learned from their Field Study and Student Teaching Activities in the actual teaching-learning processes;
b. demonstrate skills, strategies, methodologies, and explore the use of varied and appropriate teaching techniques, methods, approaches, and materials necessary in their execution of lessons in the actual classrooms;
c. function effectively in experiencing teaching as a vocation, a mission, and a profession, including understanding professional, ethical, legal, security, and social issues and responsibilities related to the teaching profession;
d. communicate effectively for instructional purposes and analyze the local and global impacts in developing both the teacher and the learner as a person, and
e. recognize the need for and ability to engage in continuing professional growth as part of improving one's craft.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF ELEMENTARY EDUCATION

FIRST YEAR

First Semester			Units	Second Semester			Units
EDU	C203	The Child & Adolescent Learner & Learning Principles	3	EDU	C308	Building& Enhancing New Literacies Across the Curriculum	3
ENG	C101	Purposive Communication 1	3	EDU	C304	Technology for Teaching & Learning 1	3
FOS	C101	Strategies for Academic Success in College	3	ENG	C102	Purposive Communication 2	3
HIS	C101	Readings in Philippine History	3	HUM	C102	Art Appreciation	3
HIS	C301	Life& Works of Rizal	3	MAT	C101	Mathematics in the Modern World	3
PHI	C102	Ethics	3	NSC	C202	Science, Technology & Society	3
SSC	C102	Contemporary World	3	PSY	C101	Understanding the Self	3
NST	C101	National Service Training Program 1	3	NST	C102	National Service Training Program 2	3
PED	C101	(PATHFIT 1)	2	PED	C102	(PATHFIT 2)	2
			26				26

SECOND YEAR

First Semester		Units	Second Semester		Units
EDU	C202 The Teacher & the Community, School Culture & Org'l Leadership	3	EDU	C305 Technology for Teaching & Learning in the Elementary Grades	3
EDU	C303 Foundation of Special & Inclusive Education	3	EDU	C307 Facilitating Learner-Centered Teaching	3
EDU	C306 The Teacher & the School Curriculum	3	EDU	C502 TSEG Physics, Earth & Space Science	3
EDU	C501 TSEG Biology & Chemistry	3	EDU	C201 The Teaching Profession	3
EDU	C509 Pagtuturo ng Filipino sa Elementarya (1) – Eskultura at Gamit ng Wikang Filipino	3	EDU	C504 Teaching Math in the Intermediate Grades	3
EDU	C505 TSEG Philippine History & Government	3	EDU	C506 Content& Pedagogy for the Mother Tongue	3
EDU	C503 Teaching Math in the Primary Grades	3	EDU	C510 Edukasyong Pantahanan at Pangkabuhayan	3
EDU	C511 Good Manners & Right Conduct (Edukasyon sa Pagpapakatao)	3	EDU	C519 Teaching Arts in the Elementary Grades	3
PED	C201 (PATHFIT 3)	2	PED	C202 (PATHFIT 4)	2
		26			26

THIRD YEAR

First Semester		Units	Second Semester		Units
EDU	C301 Assessment in Learning 1	3	EDU	C302 Assessment in Learning 2	3
EDU	C403 Research in Education 1	3	EDU	C404 Research in Education 2	3
EDU	C507 Teaching Social Studies in Elementary Grades (Culture & Geography)	3	EDU	C514 Teaching PE & Health in the Elementary Grades	3
EDU	C515 Teaching English in the Elementary Grades (Language Arts)	3	EDU	C516 Pagtuturo ng Filipino sa Elementarya (II) Panitikan ng Pilipinas	3
EDU	C517 Teaching English in the Elementary Grades through Literature	3	EDU	C518 Edukasyong Pantahan w/ Entrep	3
EDU	C521 Teaching Music in the Elementary Grades	3	EDU	C512 Elective: Teaching Multi-Grade Classes	3
ENG	C103 Purposive Communication 3	3	EDU	C520Technology for Teaching & Elementary Grades	3
		21			21

FOURTH YEAR

First Semester		Units	Second Semester		Units
EDU	C401 Field Study 1	3	EDU	C406 Integrated Course 2	3
EDU	C402 Field Study 2	3	ENG	C402 Teaching Internship	6
EDU	C405 Integrated Course 1	3			
		9			9

GROUP REQUIREMENTS FOR THE DEGREE OF Bachelor of Elementary Education (BEEd)

	Units	Units
1. General Education		36
Understanding the Self	3	
Readings in Philippine History	3	
Contemporary World	3	
Mathematics in the Modern World	3	
Art Appreciation	3	

	Science, Technology, & Society	3	
	Ethics	3	
	Life & Works of Rizal	3	
	Purposive Communication 1, 2, 3	9	
	Strategies for Academic Success in College (FOS)	3	
2.	Professional Education Courses		45
	Foundation/Theories & Concepts		
	The Child & Adolescent Learner & Learning Principles	3	
	The Teaching Profession	3	
	The Teacher & the Community, School Culture & Organizational Leadership	3	
	Foundation of Special & Inclusive Education	3	
	Pedagogical Content Knowledge		
	Facilitating Learner-Centered Teaching	3	
	Assessment in Learning 1, 2	6	
	Technology for Teaching & Learning 1& 2	6	
	The Teacher & the School Curriculum	3	
	Building & Enhancing New Literacies Across the Curriculum	3	
	Experiential Learning		
	Field Study 1, 2	6	
	Teaching Internship	6	
3.	Major/Specialization Courses		60
	Teaching Science in the Elementary Grades (Biology & Chemistry	3	
	Teaching Science in the Elementary Grades (Physics, Earth & Space Science)	3	
	Teaching Social Studies in Elementary Grades (Philippine History & Government)	3	
	Teaching Social Studies in Elementary Grades (Culture & Geography	3	
	Pagtuturo ng Filipino sa Elementarya (I) - Estraktura at Gamit ng Wikang Filipino	3	
	Pagtuturo ng Filipino sa Elementarya (II) - Panitikan ng Pilipinas	3	
	Teaching Math in the Primary Grades	3	
	Teaching Math in the Intermediate Grades	3	
	Edukasyong Pantahanan at Pangkabuhayan	3	
	Edukasyong Pantahanan at Pangkabuhayan w/ Entrepreneurship	3	
	Teaching Music in the Elementary Grades	3	
	Teaching Arts in the Elementary Grades	3	
	Teaching PE & Health in the Elementary Grades	3	
	Teaching English in the Elementary Grades (Language Arts)	3	
	Teaching English in the Elementary Grades through Literature	3	
	Content & Pedagogy for the Mother Tongue	3	

	Good Manners & Right Conduct (Edukasyon sa Pagpapakatao)	3	
	Research in Education 1 & 2	6	
	Technology for Teaching and Learning in the Elementary Grades	3	
4.	Elective Units (3 units)		9
	Teaching Multi-grade Classes	3	
	Integrated Courses 1, 2	6	
5.	Mandated Courses		14
	PATHFIT 1, 2, 3, 4	8	
	National Service Training Program 1, 2	6	
		Total	**164**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SECONDARY EDUCATION MAJOR IN ENGLISH

FIRST YEAR

First Semester		Units	Second Semester		Units
ENG	C101 Purposive Communication 1	3	EDU	C602 Principles & Theories of Language Acquisition & Learning	3
ENG	C109 Introduction to Linguistics	3	EDU	C604 Language Programs & Policies in Multilingual Societies	3
ENG	C111 Language, Culture & Society	3	EDU	C606 Language Learning Materials Development	3
ENG	C113 Structures of English	3	ENG	C102 Purposive Communication 2	3
FOS	C101 Strategies for Academic Success in College	3	HUM	C102 Art Appreciation	3
HIS	C101 Readings in Philippine History	3	MAT	C101 Mathematics in the Modern World	3
PHI	C102 Ethics	3	SSC	C102 Contemporary World	3
NST	C101 Nat'l Service Training Program 1	3	NST	C101 National Service Training Program 2	3
PED	C101 (PATHFIT 1)	2	PED	C102 (PATHFIT 2)	2
		26			26

SECOND YEAR

First Semester		Units	Second Semester		Units
EDU	C201 The Teaching Profession	3	ENG	C212 Mythology and Folklore	3
EDU	C203 The Child & Adolescent Learner & Learning Principles	3	EDU	C305 Technology for Teaching & Learning 2 (Technology in Language Education)	3
EDU	C304 Technology for Teaching & Learning 1	3	EDU	C308 Building& Enhancing New Literacies Across the Curriculum	3
ENG	C209 Teaching& Assessment of Literature Studies	3	EDU	C202 The Teacher & the Community, School Culture & Organizational Leadership	3
ENG	C211 Teaching& Assessment of Macro Skills	3	ENG	C210 Children& Adolescent Literature	3
ENG	C213 Teaching& Assessment of Grammar	3	ENG	C214 Survey of Philippine Literature in English	3
ENG	C215 Speech& Theater Arts	3	NSC	C202 Science Technology & Society	3
HIS	C301 Life& Works of Rizal	3	PSY	C101 Understanding the Self	3
PED	C201 (PATHFIT 3)	2	PED	C202 (PATHFIT 4)	2
		26			26

THIRD YEAR

First Semester		Units	Second Semester		Units
EDU	C301 Assessment in Learning 1	3	EDU	C302 Assessment of Learning 2	3
EDU	C303 Foundation of Special & Inclusive Education	3	ENG	C307 Facilitating Learner-Centered Teaching	3
EDU	C306 The Teacher & the School Curriculum	3	EDU	C310 Remedial Instruction	3
EDU	C403 Research in Education 1	3	EDU	C404 Research in Education 2	3
ENG	C309 Contemporary Popular & Emergent Literature	3	ENG	C302 Campus Journalism	3
ENG	C313 Literary Criticism	3	ENG	C312 Creative Writing	3
ENG	C315 Survey of English & American Literature	3	ENG	C317 Survey of Afro-Asian Literature	3
ENG	C103 Purposive Communication 3	3			
		24			21

FOURTH YEAR

First Semester		Units	Second Semester		Units
EDU	C401 Field Study 1	3	EDU	C406 Integrated Course 2	3
EDU	C402 Field Study 2	3	EDU	C408 Teaching Internship	6
EDU	C405 Integrated Course 1	3			
		9			9

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SECONDARY EDUCATION MAJOR IN ENGLISH (BSEd)

		Units	Units
1.	General Education		36
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	
	Mathematics in the Modern World	3	
	Art Appreciation	3	
	Science, Technology, and Society	3	
	Ethics	3	
	Life & Works of Rizal	3	
	Purposive Communication 1, 2, 3	9	
	Strategies for Academic Success in College (FOS)	3	
2.	Professional Educational Courses		42
	Foundation/Theories & Concepts		
	The Child & Adolescent Learner & Learning Principles	3	
	The Teaching Profession	3	
	The Teacher & the Community, School Culture & Organizational Leadership	3	
	Foundation of Special & Inclusive Education	3	
	Pedagogical Content Knowledge		
	Facilitating Learner-Centered Teaching	3	
	Assessment in Learning 1, 2	6	
	Technology for Teaching & Learning 1	3	
	The Teacher & the School Curriculum	3	

	Building & Enhancing New Literacies Across the Curriculum	3	
	Experiential Learning		
	Field Study 1, 2	6	
	Teaching Internship	6	
3.	Major/Specialization Courses		63
	Introduction to Linguistics	3	
	Language, Culture & Society	3	
	Structures of English	3	
	Principles & Theories of Language Acquisition &Learning	3	
	Language Programs & Policies in Multilingual Societies	3	
	Language Learning Materials Development	3	
	Teaching & Assessment of Literature Studies	3	
	Teaching & Assessment of Macro skills	3	
	Teaching & Assessment of Grammar	3	
	Speech & Theater Arts	3	
	Mythology and Folklore	3	
	Children & Adolescent Literature	3	
	Survey of Philippine Literature in English	3	
	Survey of Afro-Asian Literature	3	
	Survey of English & American Literature	3	
	Contemporary, Popular & Emergent Literature	3	
	Literary Criticism	3	
	Campus Journalism	3	
	Technology for Teaching & Learning 2 (Technology in Language Education)	3	
	Research in Education 1	3	
	Research in Education 2	3	
4.	Cognates/Electives		12
	Remedial Instruction	3	
	Creative Writing	3	
	Integrated Courses 1, 2	6	
5.	Mandated Courses		14
	PATHFIT 1, 2, 3, 4	8	
	National Service Training Program 1, 2	6	
		Total	**167**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SECONDARY EDUCATION MAJOR IN MATHEMATICS

FIRST YEAR

First Semester	Units	Second Semester	Units
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
FOS C101 Strategies for Academic Success in College	3	HUM C102 Art Appreciation	3
HIS C101 Readings in Philippine History	3	MAT C106 Trigonometry	3
MAT C101 Mathematics in the Modern World	3	MAT C108 Plane& Solid Geometry	3
MAT C105 History of Mathematics	3	MAT C110 Logic& Set Theory	3
MAT C107 College& Advanced Algebra	3	PSY C101 Understanding the Self	3
PHI C102 Ethics	3	SSC C102 Contemporary World	3
NST C101 National Service Training Program 1	3	NST C102 National Service Training Program 2	3
PED C101 (PATHFIT 1)	2	PED C102 (PATHFIT 2)	2
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
EDU C201 The Teaching Profession	3	EDU C202 The Teacher & the Community, School Culture & Organizational Leadership	3
EDU C203 The Child & Adolescent Learner & Learning Principles	3	EDU C305 Technology for Teaching & Learning 2 (Instrumentation & Technology in Math)	3
EDU C304 Technology for Teaching & Learning 1	3	EDU C804 Principles& Methods of Teaching & Strategies in Teaching Mathematics	3
HIS C301 Life& Works of Rizal	3	MAT C202 Linear Algebra	3
MAT C207 Modern Geometry	3	MAT C206 Number Theory	3
MAT C305 Calculus 1	4	MAT C304 Calculus 2	4
MAT C313 Elementary Statistics & Probability	3	NSC C202 Science Technology & Society	3
PED C201 (PATHFIT 3)	2	PED C202 (PATHFIT 4)	2
	24		24

THIRD YEAR

First Semester	Units	Second Semester	Units
EDU C301 Assessment in Learning 1	3	EDU C302 Assessment in Learning 2	3
EDU C303 Foundation of Special & Inclusive Education	3	EDU C307 Facilitating Learner-Centered Teaching	3
EDU C306 The Teacher & the School Curriculum	3	EDU C308 Building& Enhancing New Literacies Across the Curriculum	3
ENG C103 Purposive Communication 3	3	EDU C806 Assessment& Evaluation in Mathematics	3
MAT C309 Advanced Statistics	3	MAT C209 Mathematics of Investment	3
MAT C311 Problem Solving, Mathematical Investigations & Modelling	3	MAT C303 Abstract Algebra	3
MAT C401 Calculus 3	3	RES C402 Research 2 (Thesis)	3
RES C401 Research 1	3		
	24		21

FOURTH YEAR

First Semester	Units	Second Semester	Units
EDU C401 Field Study 1	3	EDU C408 Teaching Internship	6
EDU C402 Field Study 2	3	EDU C406 Integrated Course 2	3
EDU C405 Integrated Course 1	3		
	9		9

GROUP REQUIREMENTS FOR THE DEGREE OF
Bachelor of Secondary Education Major in Mathematics (BSEd)

		Units	Units
1.	General Education Courses		36
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	
	Mathematics in the Modern World	3	
	Art Appreciation	3	
	Science, Technology, and Society	3	
	Ethics	3	
	Life & Works of Rizal	3	
	Purposive Communication 1	3	
	Strategies for Academic Success in College (FOS)	3	
	Purposive Communication 2	3	
	Purposive Communication 3	3	
2.	Professional Education Courses		42
	Foundation/Theories and Concepts		
	The Child & Adolescent Learners & Learning Principles	3	
	The Teaching Profession	3	
	The Teacher & the Community, School Culture & Organizational Leadership	3	
	Foundation of Special & Inclusive Education	3	
	Pedagogical Content Knowledge		
	Facilitating Learner-Centered Teaching	3	
	Assessment in Learning 1	3	
	Assessment in Learning 2	3	
	The Teacher & the School Curriculum	3	
	Technology for Teaching &Learning 1	3	
	Building & Enhancing New Literacies Across the Curriculum	3	
	Experiential Learning		
	Field Study 1	3	
	Field Study 2	3	
	Teaching Internship	6	
3.	Major/Specialization Courses		71
	History of Mathematics	3	
	College & Advanced Algebra	3	
	Trigonometry	3	
	Plane & Solid Geometry	3	
	Logic & Set Theory	3	
	Elementary Statistics & Probability	3	
	Calculus 1	4	
	Calculus 2	4	
	Calculus 3	3	
	Modern Geometry	3	

	Mathematics of Investment	3	
	Number Theory	3	
	Linear Algebra	3	
	Advanced Statistics	3	
	Problem Solving, Mathematical Investigations & Modeling	3	
	Principles & Strategies in Teaching Mathematics	3	
	Abstract Algebra	3	
	Research 1 & 2	6	
	Technology for Teaching & Learning 2* (Instrumentation & Technology in Mathematics)	3	
	Assessment & Evaluation in Mathematics	3	
	Integrated Course 1	3	
	Integrated Course 2	3	
4.	Mandated Courses		14
	Physical Education 1, 2, 3, 4 (Pathfit 1,2,3,4)	8	
	National Service Training Program 1, 2	6	
		Total	**163**

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SECONDARY EDUCATION MAJOR IN SOCIAL STUDIES

FIRST YEAR

First Semester	Units	Second Semester	Units
ENG C101 Purposive Communication 1	3	ECO C203 Basic Microeconomics	3
FOS C101 Strategies for Academic Success in College	3	ENG C102 Purposive Communication 2	3
HIS C101 Readings in Philippine History	3	HUM C102 Art Appreciation	3
PHI C102 Ethics	3	MAT C101 Mathematics in the Modern World	3
SOC C101 Asian Studies	3	SOC C102 Socio-Cultural Anthropology	3
SSC C101 Foundation of Social Studies	3	SSC C102 Contemporary World	3
SSC C103 Geography 1	3	SSC C104 Geography 2	3
NST C101 National Service Training Program 1	3	NST C102 National Service Training Program 2	3
PED C101 (PATHFIT 1)	2	PED C102 (PATHFIT 2)	2
	26		26

SECOND YEAR

First Semester	Units	Second Semester	Units
ECO C202 Basic Macroeconomics	3	ECO C204 Comparative Economic Planning	3
EDU C201 The Teaching Profession	3	EDU C202 The Teacher & the Community, School Culture & Organizational Leadership	3
EDU C203 The Child & Adolescent Learner & Learning Principles	3	EDU C305 Tech. for Teaching & Learning 2	3
EDU C304 Tech. for Teaching & Learning 1	3	EDU C910 Human Resources Management	3
HIS C205 World History 1	3	HIS C210 World History 2	3
HIS C301 Life& Works of Rizal	3	NSC C202 Science Technology & Society	3
SSC C201 Places& Landscape in a Changing World	3	PSY C101 Understanding the Self	3
SSC C203 Law-Related Studies	3	SSC C202 Geography 3	3
PED C201 (PATHFIT 3)	2	PED C202 (PATHFIT 4)	2
	26		26

THIRD YEAR

First Semester	Units	Second Semester	Units
EDU C301 Assessment in Learning 1	3	EDU C302 Assessment in Learning 2	3
EDU C303 Foundation of Special & Inclusive Education	3	EDU C307 Facilitating Learner-Centered Teaching	3
EDU C306 The Teacher & the School Curriculum	3	EDU C308 Building& Enhancing New Literacies Across the Curriculum	3
EDU C901 Teaching Approach in Secondary Social Studies	3	EDU C902 Assessment& Evaluation in the Social Science	3
EDU C906 Property& Resources Management for Education	3	EDU C904 Production of Social Studies Instructional Materials	3
EDU C908 Integrative Methods in Teaching Social Science Discipline in BED	3	RES C402 Research2 (Thesis)	3
ENG C103 Purposive Communication 3	3	SSC C204 Comparative Government & Politics	3
RES C401 Research 1	3	SSC C206 Trends& Issues in Social Studies	3
	24		24

FOURTH YEAR

First Semester	Units	Second Semester	Units
EDU C401 Field Study 1	3	EDU C406 Integrated Course 2	3
RES C402 Field Study 2	3	ENG C402 Teaching Internship	6
EDU C405 Integrated Course 1	3		
	9		9

GROUP REQUIREMENTS FOR THE DEGREE OF
Bachelor of Secondary Education Major in Social Studies

		Units	Units
1.	General Education Courses		36
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	
	Mathematics in the Modern World	3	
	Art Appreciation	3	
	Science, Technology, & Society	3	
	Ethics	3	
	Life & Works of Rizal	3	
	Purposive Communication 1, 2, 3	9	
	Strategies for Academic Success in College (FOS)	3	
2.	Professional Education Courses		42
	Foundation/Theories and Concepts		
	The Child & Adolescent Learner & Learning Principles	3	
	The Teaching Profession	3	
	The Teacher & the Community, School Culture & Organizational Leadership	3	
	Foundation of Special & Inclusive Education	3	
	Pedagogical Content Knowledge		
	Facilitating Learner-Centered Teaching	3	

	Assessment in Learning 1, 2	6	
	Technology for Teaching & Learning 1	3	
	The Teacher & the School Curriculum	3	
	Building & Enhancing New Literacies Across the Curriculum	3	
	Experiential Learning		
	Field Study 1, 2	6	
	Teaching Internship	6	
3.	Major/Specialization Courses		66
	Foundation of Social Studies	3	
	Research 1, 2	6	
	Trends & Issues in Social Studies	3	
	Places & Landscape in a Changing World	3	
	Geography 1, 2, 3	9	
	Basic Microeconomics	3	
	Basic Macroeconomics	3	
	World History 1, 2	6	
	Asian Studies	3	
	Socio-Cultural Anthropology	3	
	Comparative Economic Planning	3	
	Comparative Government & Politics	3	
	Law-Related Studies	3	
	Teaching Approaches in Secondary Social Studies	3	
	Integrative Methods in Teaching Social Science Discipline in Basic Education	3	
	Production of Social Studies Instructional Materials	3	
	Assessment & Evaluation in the Social Sciences	3	
	Technology for Teaching and Learning 2	3	
4.	Cognates		12
	Human Resources Management	3	
	Property & Resources Management for Education	3	
	Integrated Course 1, 2	6	
5.	Mandated Courses		14
	Physical Education 1, 2, 3, 4 (Pathfit 1,2,3,4)	8	
	National Service Training Program 1, 2	6	
		Total	**170**

TEACHER EDUCATION PROGRAM

The Teacher Certificate Program (TCP) is a program designed for professionals who have completed a Bachelor's degree in any field and who desire to teach at the secondary education level. This is in consonance with the provisions of RA 7836 (The Philippine Teachers Professionalization Act of 1994). The program aims to provide non-education degree holders with:

1. An understanding of the cognitive, socio-emotional, and physical characteristics of children/adolescents and how they develop and learn;
2. Knowledge of courses they teach and how to teach those courses to students;
3. Skills for managing and monitoring student learning;
4. A reflective attitude about their practice and an openness to adapt their teaching to new findings, ideas, and theories.

Professionals who complete the TCP are given a certification (NOT a degree or diploma) that they have completed the 18-unit professional education requirement to be allowed to take the Licensure Examination for Teachers (LET), which is administered by the Professional Regulatory Commission (PRC). After passing all these 18 units offered in TCP, they can apply to take the Licensure Examination for Teachers.

CURRICULUM REQUIREMENTS BY YEAR FOR THE TEACHER CERTIFICATE PROGRAM

First Semester	Units	Second Semester	Units
EDU 14 Child and Adolescent Development	3	EDU 45 Assessment of Learning	3
EDU 19 Principles of Teaching	3	EDU 40 Curriculum Development	3
EDU 13 Teaching Profession	3	EDU 29 Education Technology	3
	9		9

PSYCHOLOGY

The Bachelor of Science in Psychology is an undergraduate degree program focused on the scientific study of behavior and mental processes. It emphasizes understanding behavior through biological and cognitive processes, research methodology, and statistical analysis. The program typically includes courses in developmental psychology, theories of personality, abnormal psychology, psychological assessment, industrial/organizational psychology, experimental psychology, and psychological statistics. It prepares students for careers in psychological services, research, human resources, mental health, and other related fields. This can also be a preparatory program for graduate study in psychology and related fields.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science (BS) in Psychology, the graduates will:

1. excel in their profession/career utilizing the knowledge acquired in the BS Psychology program;

2. become effective collaborators and innovators in the field of Psychology, applying professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of Bachelor of Science (BS) in Psychology program shall be able to:

a. demonstrate the capability to discuss and analyze the major classical and contemporary theories and concepts in psychology;
b. demonstrate and apply the methods of psychological inquiry in building knowledge on local culture and context;
c. demonstrate and apply theories and methods in psychology both in a personal and professional context;
d. demonstrate capability for reflection and independent learning in graduate school level or a professional context; and
e. demonstrate appropriate relations with persons related to the field of psychology, whether colleagues, clients, and individuals belonging to various cultural contexts.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE MAJOR IN PSYCHOLOGY

FIRST YEAR

First Semester	Units	Second Semester	Units
ENG C101 Purposive Communication 1	3	HUM C102 Art Appreciation	3
FOS C101 Strategies for Academic Success in College	3	NSC C202 Science, Technology & Society	3
HIS C101 Readings in Philippine History	3	MAT C306 Statistical Theory	3
PHI C102 Ethics	3	PSY C102 Introduction to Psychology	3
PSY C101 Understanding the Self	3	PSY C505 Developmental Psychology	3
MAT C101 Mathematics in the Modern World	3	SSC C102 Contemporary World	3
NST C101 National Service Training Program 1	3	NST C102 Nat'l Service Training Program 2	3
PED C101 (PATHFIT 1)	2	PED C102 (PATHFIT 2)	2
	23		23

SECOND YEAR

First Semester	Units	Second Semester	Units
NSC C205 Chemistry	5	NSC C206 Physics	5
PSY C501 Psychological Statistics	5	PSY C504 Cognitive Psychology	3
PSY C201 Psychology of Exceptional Children	3	PSY C506 Experimental Psychology	5
PSY C503 Physiological/Biological Psychology	3	PSY C530 Theories of Personality	3
HIS C301Life and Works of Rizal	3	ENG C102 Purposive Communication 2	3
PED C201 (PATHFIT 3)	2	PED C202 (PATHFIT 4)	2
	21		21

THIRD YEAR

First Semester	Units	Second Semester	Units
NUR C207 Microbiology & Parasitology	5	NSC C208 Anatomy and Physiology	5
PSY C507 Field Methods in Psychology	5	PSY C511 Social Psychology	3
PSY C508 Psychological Assessment	5	PSY C306 Introduction to Counseling & Psychotherapy	3
PSY C509 Abnormal Psychology	3	PSY C514 Introduction to Clinical Psychology	3
PSY C510 Filipino Psychology	3	PSY C515 Industrial/Organizational Psychology	3
PSY C513 Group Dynamics	3	PSY C308 Test Measurement and Evaluation	3
		PSY C304 Disaster and Mental Health	3
		RES C401 Research 1	3
	24		26

FOURTH YEAR

First Semester	Units	Second Semester	Units
PSY C518 Practicum in Clinical Setting	3	PSY C517 Practicum in Industrial Setting	3
PSY C521 Integrated Course 1	3	PSY C522 Integrated Course 2	3
RES C402 Research 2 (Thesis)	3	PSY C528 Training and Development	3
	9		9

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN PSYCHOLOGY (BSPSY)

		Units	Units
1.	General Education		36
	Understanding the Self	3	
	Readings in Philippine History	3	
	Contemporary World	3	
	Mathematics in the Modern World	3	
	Art Appreciation	3	
	Science, Technology, and Society	3	
	Ethics	3	
	Life & Works of Rizal	3	
	Purposive Communication 1, 2	6	
	Statistical Theory	3	
	Strategies for Academic Success in College (FOS)	3	
2.	Basic Courses		8
	Introduction to Psychology	3	
	Psychological Statistics	5	
3.	Major Courses		45
	Developmental Psychology	3	
	Cognitive Psychology	3	
	Theories of Personality	3	
	Physiological/Biological Psychology	3	
	Experimental Psychology	5	
	Field Methods in Psychology	5	
	Psychological Assessment	5	
	Social Psychology	3	
	Abnormal Psychology	3	

	Industrial/Organizational Psychology	3	
	Filipino Psychology	3	
	Research Methods 1, 2	6	
4.	Elective Courses		30
	Introduction to Counseling & Psychotherapy	3	
	Introduction to Clinical Psychology	3	
	Group Dynamics	3	
	Practicum in Industrial Setting	3	
	Disaster and Mental Health	3	
	Integrated Course 1, 2	6	
	Practicum in Clinical Setting	3	
	Test Measurement and Evaluation	3	
	Training and Development	3	
5.	Science Courses		20
	Chemistry	5	
	Physics	5	
	Microbiology and Parasitology	5	
	Anatomy and Parasitology	5	
6.	Mandated Courses		14
	Physical Education 1, 2, 3, 4 (PATHFIT 1, 2, 3, 4)	8	
	National Service Training Program (NSTP) 1, 2	6	
		Total	**156**

COLLEGE OF HOSPITALITY AND TOURISM MANAGEMENT

Mission

The College aims to develop students with industry-relevant skills, including cutting-edge technological proficiency and specialized competencies aligned with current and emerging trends in the hospitality and tourism sectors. It seeks to inspire future leaders, foster a culture of innovation, and promote social responsibility in both local and global contexts.

Vision

To be globally recognized in hospitality and tourism education, producing graduates, and instilling the value of social importance, integrity, sustainability, and community engagement.

HOSPITALITY MANAGEMENT PROGRAM

The Hospitality Management Program will equip students with competencies that are needed to execute operational tasks and management

functions in food production and services, accommodation, such as full guest cycle services for front office and housekeeping services for guest and facility operations, food and beverage service, and operations, tourism planning and product development, events planning, risk management program, and other emerging sectors of the hospitality industry.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Hospitality Management (BSHM), the graduates will:

1. excel in their profession/ career, utilizing critical thinking in the latest developments and technologies acquired in the hospitality and tourism programs;
2. become effective communicators, collaborators, and innovators in a multi-disciplinary and multi-cultural tourism industry applying professional/ technical skills and competencies to make a positive impact on society;
3. be engaged in life-long learning and professional development through self-study, research, continuing education, or graduate and professional studies; and
4. effectively communicate orally and in writing using English, Filipino, Mother Tongue language, and other appropriate foreign languages required by the tourism and hospitality industries.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSHM program shall be able to:

a. efficiently articulate and discuss concepts, ideas, and jargon relevant to the tourism and hospitality industries in their pursuit of life-long career;
b. communicate their thoughts and idea effectively and utilize the latest technologies in the field of tourism and hospitality to enhance their performance and create memorable guest experiences;
c. apply critical thinking in addressing work-related issues and concerns, and adapting to the different work environments and situations;
d. continuously search for personal and professional advancement in the field of tourism and hospitality through training, research, postgraduate educations, and/or self-study to uplift the image and quality of the industry and the nation in general; and

e. develop an entrepreneurial spirit and assist in the growth and development of the tourism and hospitality industries and contribute positively to nation-building.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT

FIRST YEAR

First Semester	Units	Second Semester	Units
FOS C101 Strategies for Academic Success in College	3	SSC C102 Contemporary World	3
ENG C101 Purposive Communication 1	3	ENG C102 Purposive Communication 2	3
HIS C101 Readings in Philippine History	3	PSY C101 Understanding the Self	3
PHI C102 Ethics	3	HTM C102 Kitchen Essentials & Basic Food Preparation	3
HTM C101 Macro Perspective of Tourism & Hospitality	3	HTM C106 Micro Perspective of Tourism & Hospitality	3
HTM C103 Risk Management as Applied to Safety, Security & Sanitation	3	HTM C108 Quality Service Management in Tourism & Hospitality	3
PED C101 (PATHFIT 1)	2	PED C102 (PATHFIT 2)	2
NST C101 National Service Training Program 1	3	NST C102 National Service Training Program 2	3
	23		23

SECOND YEAR

First Semester	Units	Second Semester	Units
ENG C103 Purposive Communication 3	3	NSC C202 Science, Technology & Society	3
HUM C102 Art Appreciation	3	HIS C301 Life& Works of Rizal	3
HTM C313 Professional Development & Applied Ethics	3	MAT C101 Mathematics in the Modern World	3
FLN C101 Foreign Language 1	3	HTM C202 Philippine Culture & Tourism Geography	3
HTM C203 Fundamentals in Food Service Operations	3	FLN C102 Foreign Language 2	3
PED C203 (PATHFIT 3) – Swimming	2	HTM C104 Fundamentals in Lodging Operations	3
		PED C204 (PATHFIT 4) - Swimming	2
	17		20

THIRD YEAR

First Semester	Units	Second Semester	s
HTM C407 Legal Aspects in Tourism & Hospitality	3	MGT C303 Strategic Management	3
HTM C309 Supply Chain Management in the Hospitality Industry	3	HTM C308 Ergonomics& Facilities Planning for the Hospitality Industry	3
MGT C301 Operations Management (TQM)	3	HTM C201 Applied Business Tools & Techniques in Hospitality	3
HTM C311 Tourism& Hospitality Marketing	3	HTM C412 Research in Hospitality 2	3
HTM C410 Research in Hospitality 1	3	HTM C501 Philippine Regional Cuisine	3
HTM C502 Oenology & Beverages	3	HTM C310 Multicultural Diversity in Workplace for Tourism Professional	3
HTM C503 Fundamentals of Baking	3	HTM C504 Special Topics in the Hospitality Industry	3
	21		21

FOURTH YEAR

First Semester	Units	Second Semester	Units
HTM C505 Hotel & Restaurant Internship	6	HTM C315 Entrepreneurship in Hospitality	3
HTM C507 In-House Internship/Café Internship	2	HTM C404 Culinary Elective	3
		HTM C409 Introduction to Meetings, Incentives, Conferences & Events Management	3
	8		9

Note: Courses with * will only be taken by Non-ABM graduates.

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT (BSHM)

	Units	Units
I. General Education		36
A. Core Courses	**24**	
Ethics (PHI C102)	3	
Purposive Communication 1 (ENG C101)	3	
Readings in Philippine History (HIS C101)	3	
Understanding the Self (PSY C101)	3	
Art Appreciation (HUM C102)	3	
Contemporary World (SSC C102)	3	
Mathematics in the Modern World (MAT C101)	3	
Science, Technology, and Society (NSC C202)	3	
B. Electives	**9**	
Strategies for Academic Success in College (FOSC101)	3	
Purposive Communication 2 (ENG C102)	3	
Purposive Communication 3 (ENG C103)	3	
C. Life and Works of Rizal (HIS C301)	**3**	
II. NSTP Courses		6
National Training Service Program 1 (NST C101)	3	
National Training Service Program 2 (NST C102)	3	
III. PE Courses		8
PATHFIT 1 (PED C101)	2	
PATHFIT 2 (PED C102)	2	
PATHFIT 3 - Swimming (PED C203)	2	
PATHFIT 4 - Swimming (PED C204)	2	
IV. Business and Management Courses Operations Management		6
(HTM C301)	3	
Strategic Management (MGT C303)	3	
V. Tourism and Hospitality Core		30
Macro Perspective of Tourism and Hospitality (HTM C101)	3	
Risk Management as Applied to Safety, Security, and	3	

Sanitation (HTM C103)		
Micro Perspective of Tourism and Hospitality (HTM C106)	3	
Quality Service Mgt in Tourism and Hospitality (HTM C108)	3	
Professional Development and Applied Ethics (HTM C313)	3	
Philippine Culture and Tourism Geography (HTM C202)	3	
Tourism and Hospitality Marketing (HTM C311)	3	
Legal Aspects of Tourism and Hospitality (HTM C407)	3	
Entrepreneurship in Hospitality (HTM C315)	3	
Multicultural Diversity in the Workplace for the Tourism Professional (HTM C310)	3	
VI. Hospitality Professional Courses		30
Kitchen Essentials and Basic Food Preparation (HTM C102)	3	
Fundamentals in Lodging Operations (HTM C104)	3	
Fundamentals in Food Service Operations (HTM C203)	3	
Applied Business Tools and Techniques in Hospitality (HTM C201)	3	
Foreign Language1 (FLNC101)	3	
Supply Chain Management in Hospitality Industry (HTM C309)	3	
Foreign Language 2 (FLNC102)	3	
Research in Hospitality1 (HTMC410)	3	
Ergonomics and Facilities Planning for the Hospitality Industry (HTM C308)	3	
Introduction to Meetings, Incentives, Conferences, and Events Management (MICE) (HTM C409)	3	
VII. Hospitality Elective Courses		18
Fundamentals of Baking (HTM C503)	3	
Philippine Regional Cuisine (HTM C501)	3	
Culinary Elective: Asian or Western Cuisine (HTMC404)	3	
Research in Hospitality 2 (HTM C412)	3	
Oenology and Beverages (HTM C502)	3	
Special Topics in Hospitality Industry (HTM C504)	3	
VIII. Practicum		8
Hotel and Restaurant Internship (HTM C505)	6	
In-House Internship/Café Internship (HTMC507)	2	

BS Hospitality Management Units

Courses	Required	Actual
GE	36	36
NSTP	6	6
PE	8	8
Business Management	6	6
TH Core	30	30
HPC	30	30

HM Elective	15	18
Practicum	6	8
Total Units	**137**	**142 ABM Graduates**

HOSPITALITY MANAGEMENT MAJOR IN CRUISE MANAGEMENT PROGRAM

The Hospitality Management Program will equip students to become future seafarers with competencies that are needed to execute operational tasks and management functions in food production, accommodation, food, and beverage service, tourism planning and product development, events planning, risk management program and other emerging sectors of the cruise industry.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT MAJOR IN CRUISE MANAGEMENT

FIRST YEAR

First Semester		Units	Second Semester		Units
FOS	C101 Strategies for Academic Success in College	3	SSC	C102 Contemporary World	3
ENG	C101 Purposive Communication 1	3	ENG	C102 Purposive Communication 2	3
HIS	C101 Readings in Philippine History	3	PSY	C101 Understanding the Self	3
PHI	C101 Ethics	3	HTM	C102 Kitchen Essentials & Basic Food Preparation	3
HTM	C101 Macro Perspective of Tourism & Hospitality	3	HTM	C106 Micro Perspective of Tourism & Hospitality	3
HTM	C103 Risk Management as Applied to Safety, Security & Sanitation	3	HTM	C108 Quality Service Management in Tourism & Hospitality	3
PED	C101 (Pathfit 1)	2	PED	C102 (Pathfit 2)	2
NST	C101 Nat'l Service Training Program 1	3	NST	C102 Nat'l Service Training Program 2	3
		23			23

SECOND YEAR

First Semester		Units	Second Semester		Units
ENG	C103 Purposive Communication 3	3	NSC	C202 Science, Technology & Society	3
HUM	C102 Art Appreciation	3	HIS	C301 Life& Works of Rizal	3
HTM	C313 Professional Development & Applied Ethics	3	MAT	C101 Mathematics in the Modern World	3
FLN	C101 Foreign Language 1	3	HTM	C202 Philippine Culture & Tourism Geography	3
HTM	C203 Fundamentals in Food Service Operations	3	FLN	C102 Foreign Language 2	3
PED	C203 (Pathfit 3) - Swimming	2	HTM	C104 Fundamentals in Lodging Operations	3
			PED	C204 (Pathfit 4) - Swimming	2
		17			20

THIRD YEAR

First Semester	Units	Second Semester	Units
HTM C407 Legal Aspects in Tourism & Hospitality	3	MGT C303 Strategic Management	3
HTM C309 Supply Chain Management in Hospitality Industry	3	HTM C201 Applied Business Tools & Techniques in Hospitality	3
MGT C301 Operations Management (TQM)	3	HTM C308 Ergonomics& Facilities Planning for the Hospitality Industry	3
HTM C311 Tourism& Hospitality Marketing	3	HTM C310 Multicultural Diversity in Workplace for Tourism Professional	3
HTM C404 Culinary Elective	3	HTM C412 Research in Hospitality 2	3
HTM C410 Research in Hospitality 1	3	HTM C604 Cruise Management 2	3
HTM C601 Cruise Management 1	3	HTM C605 Special Topics in the Cruise Industry	3
	21		21

FOURTH YEAR

First Semester	Units	Second Semester	Units
HTM C607 Cruise Line Internship	6	HTM C315 Entrepreneurship in Hospitality	3
HTM C609 Basic Safety Training	3	HTM C409 Introduction to Meetings, Incentives, Conferences, & Events Management	3
		HTM C603 Cruise Management 3	3
	9		9

Note: Courses with * will only be taken by Non-ABM graduates.

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN HOSPITALITY MANAGEMENT MAJOR IN CRUISE MANAGEMENT (BSHM-CM)

	Units	Units
I. General Education		36
A. Core Courses	**24**	
Ethics (PHI C102)	3	
Purposive Communication 1 (ENG C101)	3	
Readings in Philippine History (HIS C101)	3	
Understanding The Self (PSY C101)	3	
Art Appreciation (HUM C102)	3	
Contemporary World (SSC C102)	3	
Mathematics In The Modern World (MAT C101)	3	
Science, Technology, and Society (NSC C202)	3	
B. Electives	**9**	
Strategies for Academic Success In College (FOS C101)	3	
Purposive Communication 2 (ENG C102)	3	
Purposive Communication 3 (ENG C103)	3	
C. Life and Works of Rizal (HIS C301)	**3**	
II. NSTP Courses		6
National Training Service Program 1 (NST C101)	3	
National Training Service Program 2 (NST C102)	3	

III.	PE Courses		8
	PATHFIT 1 (PED C101)	2	
	PATHFIT 2 (PED C102)	2	
	PATHFIT 3 – Swimming (PED C203)	2	
	PATHFIT 4 – Swimming (PED C204)	2	
IV.	Business and Management Courses		6
	Operations Management (MGT 301)	3	
	Strategic Management (MGT C303)	3	
V.	Tourism And Hospitality Core		30
	Macro Perspective of Tourism and Hospitality (HTM C101)	3	
	Risk Management as Applied to Safety, Security, and Sanitation (HTM C103)	3	
	Micro Perspective of Tourism and Hospitality (HTM C106)	3	
	Quality Service Mgt in Tourism and Hospitality (HTM C108)	3	
	Professional Development and Applied Ethics (HTM C313)	3	
	Philippine Culture and Tourism Geography (HTM C202)	3	
	Tourism and Hospitality Marketing (HTM C311)	3	
	Legal Aspects of Tourism and Hospitality (HTM C407)	3	
	Entrepreneurship in Hospitality (HTM C315)	3	
	Multicultural Diversity in Workplace for the Tourism Professional (HTM C310)	3	
VI.	Hospitality Professional Courses		30
	Kitchen Essentials and Basic Food Preparation (HTM C102)	3	
	Fundamentals in Lodging Operations (HTM C104)	3	
	Fundamentals in Food Service Operations (HTM C203)	3	
	Applied Bus. Tools and Techniques in Hospitality (HTM C201)	3	
	Foreign Language 1 (FLN C101)	3	
	Supply Chain Management in Hospitality Industry (HTM C309)	3	
	Foreign Language 2 (FLN C102)	3	
	Research in Hospitality 1 (HTM C410)	3	
	Ergonomics and Facilities Planning for the Hospitality Industry (HTM C308)	3	
	Introduction to Meetings, Incentives, Conferences, and Events Management (MICE) (HTM C409)	3	
VII.	Hospitality Elective Courses		18
	Culinary Elective: Asian Cuisine or Western Cuisine (HTM C404)	3	
	Cruise Management 1 (HTM C601)	3	
	Special Topics in the Cruise Industry (HTM C605)	3	
	Cruise Management 2 (HTM C604)	3	
	Research in Hospitality 2 (HTM C412)	3	
	Cruise Management 3 (HTM C603)	3	

VIII. Practicum		9
Cruise Line Internship (HTM C607)	6	
Basic Safety Training (HTM C609)	3	

BS Hospitality Management Major in Cruise Management Units

Courses	Required	Actual
GE	36	36
NSTP	6	6
PE	8	8
Business Management	6	6
TH Core	30	30
HPC	30	30
HM Elective	15	18
Practicum	6	9
Total Units	**137**	**143 ABM Graduates**

TOURISM MANAGEMENT PROGRAM

The Tourism Management Program will equip students with competencies that are needed to execute operational tasks and management functions in accommodation, food and beverage service, tourism planning, monitoring, product development, marketing and sales activities, planning and execution of meetings, incentives, conventions, and events, transportation services, travel and tour operations and other emerging sectors of the tourism industry.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Tourism Management (BSTM), the graduates will:

1. excel in their profession/ career utilizing critical thinking in the latest developments and technologies acquired in the hospitality and tourism program;
2. become effective communicators, collaborators, and innovators in a multidisciplinary and multi-cultural tourism industry applying professional/ technical skills and competencies to make a positive impact on society;
3. be engaged in life-long learning and professional development through self-study, research, continuing education, or graduate and professional studies; and
4. effectively communicate orally and in writing using English, Filipino, Mother Tongue language, and other appropriate foreign languages required by the tourism and hospitality industries.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSTM program shall be able to:

a. efficiently articulate and discuss concepts, ideas, and jargon relevant to the tourism and hospitality industries in their pursuit of life-long career;
b. communicate their thoughts and idea effectively and utilize the latest technologies in the field of tourism and hospitality to enhance their performance and create memorable guest experiences;
c. apply critical thinking in addressing work-related issues and concerns, and adapting to the different work environments and situations;
d. continuously search for personal and professional advancement in the field of tourism and hospitality through training, research, postgraduate educations, and/or self-study to uplift the image and quality of the industry and the nation in general; and
e. develop an entrepreneurial spirit and assist in the growth and development of the tourism and hospitality industries and contribute positively to nation-building.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN TOURISM MANAGEMENT (BSTM)

FIRST YEAR

First Semester		Units	Second Semester		Units
FOS	C101 Strategies for Academic Success in College	3	SSC	C102 Contemporary World	3
ENG	C101 Purposive Communication 1	3	ENG	C102 Purposive Communication 2	3
HIS	C101 Readings in Philippine History	3	PSY	C101 Understanding the Self	3
PHI	C102 Ethics	3	HTM	C709 Sustainable Tourism	3
HTM	C101 Macro Perspective of Tourism & Hospitality	3	HTM	C106 Micro Perspective of Tourism & Hospitality	3
HTM	C103 Risk Management as Applied to Safety, Security & Sanitation	3	HTM	C108 Quality Service Management in Tourism & Hospitality	3
PED	C101 (PATHFIT 1)	2	PED	C202 (PATHFIT 2)	2
NST	C101 Nat'l Service Training Program 1	3	NST	C102 Nat'l Service Training Program 2	3
		23			23

SECOND YEAR

First Semester		Units	Second Semester		Units
ENG	C103 Purposive Communication 3	3	NSC	C202 Science, Technology & Society	3
HUM	C102 Art Appreciation	3	HIS	C301 Life& Works of Rizal	3
HTM	C313 Professional Development & Applied Ethics	3	MAT	C101 Mathematics in the Modern World	3
FLN	C101 Foreign Language 1	3	HTM	C202 Philippine Culture & Tourism Geography	3
HTM	C704 Transportation Management	3	FLN	C102 Foreign Language 2	3
PED	C203 (PATHFIT 3) - Swimming 1	2	HTM	C311 Tourism& Hospitality Marketing	3

	PED C204 (PATHFIT 4) Swimming 2		2
17			20

THIRD YEAR

First Semester	Units	Second Semester	Units
HTM C407 Legal Aspects in Tourism & Hospitality	3	HTM C718 Research in Tourism 2	3
MGT C301 Operations Management (TQM)	3	MGT C303 Strategic Management	3
HTM C710 Global Culture & Tourism Geography	3	HTM C719 Applied Business Tools & Techniques in Tourism	3
HTM Multicultural Diversity in Workplace for Tourism Professional	3	HTM C711 Tour& Travel Management & Techniques in Tourism	3
HTM C727 Special Topics in Tourism Industry	3	HTM C720 Elective 3	3
HTM C716 Research in Tourism 1	3	HTM C725 Elective 2	3
HTM C723 Elective 1	3		
	21		18

FOURTH YEAR

First Semester	Units	Second Semester	Units
HTM C729 Airline Internship with Basic Cabin Crew Training	6	HTM C409 Introduction to Meetings, Incentives, Conferences, & Events Management	3
HTM C731 Travel Agency Internship	2	HTM C714 Tourism Policy, Planning & Dev't	3
		HTM C724 Entrepreneurship in Tourism	3
		HTM C722 Elective 4	3
	8		12

Note: Courses with * will only be taken by Non-ABM graduates.

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN TOURISM MANAGEMENT (BSTM)

	Units	Units
I. General Education		36
A. Core Courses	**24**	
Ethics (PHI C102)	3	
Purposive Communication 1 (ENG C101)	3	
Readings in Philippine History (HIS C101)	3	
Understanding the Self (PSY C101)	3	
Art Appreciation (HUM C102)	3	
Contemporary World (SSC C102)	3	
Mathematics in the Modern World (MAT C101)	3	
Science, Technology, and Society (NSC C202)	3	
B. Electives	**9**	
Strategies for Academic Success in College (FOS C101)	3	
Purposive Communication 2 (ENG C102)	3	
Purposive Communication 3 (ENG C103)	3	
C. Life and Works of Rizal (HIS C301)	**3**	

II.	NSTP Courses		6
	National Training Service Program 1 (NST C101)	3	
	National Training Service Program 2 (NST C102)	3	
III.	PE Courses		8
	PATHFIT1 (PED C101)	2	
	PATHFIT 2 (PED C102)	2	
	PATHFIT 3 (PED C203)	2	
	PATHFIT 4 (PED C204)	2	
IV.	Business and Management Courses		6
	Operations Management (MGT 301)	3	
	Strategic Management (MGT C303)	3	
V.	Tourism and Hospitality Core		30
	Macro Perspective of Tourism and Hospitality (HTM C101)	3	
	Risk Management as Applied to Safety, Security, and Sanitation (HTM C103)	3	
	Micro Perspective of Tourism and Hospitality (HTM C106)	3	
	Quality Service Management in Tourism and Hospitality (HTM C108)	3	
	Professional Development and Applied Ethics (HTM C313)	3	
	Philippine Culture and Tourism Geography (HTM C202)	3	
	Tourism and Hospitality Marketing (HTM C311)	3	
	Legal Aspects of Tourism and Hospitality (HTM C407)	3	
	Entrepreneurship in Hospitality (HTM C315)	3	
	Multicultural Diversity in Workplace for the Tourism Professional (HTM C310)	3	
VI.	Tourism Professional Courses		30
	Sustainable Tourism (HTM C709)	3	
	Foreign Language 1 (FLN C101)	3	
	Transportation Management (HTM C704)	3	
	Global Culture and Tourism Geography (HTM C710)	3	
	Applied Business Tools and Techniques in Tourism(HTM C719)	3	
	Foreign Language 2 (FLN C102)	3	
	Research in Tourism 1 (HTM C716)	3	
	Tour and Travel Management (HTM C711)	3	
	Tourism Policy Planning and Development (HTM C714)	3	
	Introduction to Meetings, Incentives, Conferences, and Events Management (MICE) (HTM C409)	3	
VII.	Tourism Elective Courses		18
	Elective 1 (HTM C723)	3	
	Elective 2 (HTM C725)	3	
	Elective 3 (HTM C720)	3	
	Elective 4 (HTM C722)	3	
	Research in Tourism 2 (HTM C718)	3	
	Special Topics in the Tourism Industry (HTM C727)	3	

VIII. Practicum 8

Airline Internship with Basic Cabin Crew Training (HTM C729) 6

Travel Agency Internship (HTM C731) 2

BS Tourism Management Units

Courses	Required	Actual
GE	36	36
NSTP	6	6
PE	8	8
Business Management	6	6
TH Core	30	30
TPC	30	30
M Elective	15	18
Practicum	6	8
Total Units	**137**	**142 ABM Graduates**

Basic Airline Cabin Crew Training (3)

176

For ABM Track in Senior High School 158

Do not enroll 15 units of the below items anymore:

Fundamentals of Accounting or Business Management Organization & Management

Business Marketing Business Finance Applied Economics

COLLEGE OF NURSING AND HEALTH SCIENCES

Mission

The College of Nursing, guided by the JRU Vision Mission and Core Values, will lead in pursuit to produce professional nurses of global importance.

Vision

The College of Nursing aims to develop compassionate, competent, and responsible beginning nurse professionals, who will exhibit global standards, and excellence in nursing practice through effective transfer of knowledge, skills, desirable values and attitude.

NURSING PROGRAM

The College of Nursing and Health Sciences offers a Bachelor of Science in Nursing (BSN) program. The BSN is a four-year outcomes-based education program consisting of general education and professional courses with corresponding Related Learning Experience (RLE) leading to the degree of Bachelor of Science in Nursing. It is designed to develop a professional nurse who is able to assume entry-level positions in different healthcare settings. It provides an intensive nursing practicum that will hone the nursing competencies, including collaborative work with other health professionals.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

Three to five years after completing the Bachelor of Science in Nursing (BSN), the graduates will:

1. excel in their professional/career utilizing the knowledge acquired in the BS Nursing program;
2. become effective collaborators and innovators in Nursing professions, applying Professional/technical skills and competencies to make a positive impact on society; and
3. be engaged in life-long learning and professional development through self-study, continuing education, or graduate and professional studies.

STUDENT OUTCOMES (SO)

After the completion of the program, the graduates of the BSN program shall be able to:

a) apply knowledge of physical, social, natural and health sciences, and humanities in the practice of nursing
b) provide safe, appropriate, and holistic care to individuals, families, population groups, and community utilizing the nursing process
c) apply guidelines and principles of evidence-based practice in the delivery of care.
d) practice nursing in accordance with existing laws, legal, ethical and moral principles
e) communicate effectively in speaking, writing, and presenting using culturally appropriate language
f) document to include reporting up-to-date client care accurately and comprehensively
g) work effectively in collaboration with inter-,intra- and multi-disciplinary and multi-cultural teams
h) practice beginning management and leadership skills in the delivery of client care using a systems approach

i) conduct research with an experienced researcher
j) engage in lifelong learning with a passion to keep current with national and global developments in general, and nursing and health developments in general, and nursing and health developments in particular
k) demonstrate responsible citizenship and pride in being a Filipino
l) apply techno-intelligent care systems and processes in health care delivery
m) adopt the nursing core values in the practice of the profession
n) apply entrepreneurial skills in the delivery of nursing care

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF BACHELOR OF SCIENCE IN NURSING

FIRST YEAR

First Semester		Units	Second Semester		Units
PHI	C102 Ethics	3	NUR	C102 Health Assessment	5
ENG	C101 Purposive Communication 1	3	NUR	C104 Health Education	3
NUR	C101 Anatomy & Physiology	5	NUR	C106 Fund of Nursing Practice	5
NSC	C103 Biochemistry	5	NUR	C108 Microbiology & Parasitology	4
NUR	C105 Theoretical Foundations of Nursing	3	PED	C102 (Pathfit 2)	2
PED	C101 (Pathfit 1)	2	ENG	C102 Purposive Communication 2	3
FOS	C101 Strategies for Academic Success in College	3	MAT	C101 Mathematics in the Modern World	3
			PSY	C101 Understanding the Self	3
		24			28

SECOND YEAR

First Semester		Units	Second Semester		Units
NUR	C201 Community Health Nursing 1 (Individual & Family as Clients)	4	GED	C102 GE Elective 2	3
NUR	C203 Nutrition & Diet Therapy	3	NUR	C202 Care of Mother, Child at Risk or w/ Problems (Acute & Chronic)	12
NUR	C205 Pharmacology	3	NUR	C204 Nursing Informatics	3
NUR	C207 Care of Mother, Child, Adolescent (Well clients)	9	NUR	C305 Community Health Nursing 2 (Population Groups & Community as Clients)	3
NUR	C209 Health Care Ethics (Bioethics)	3	NSC	C202 Science, Technology & Society	3
GED	C101 GE Elective 1	3	PED	C202 (Pathfit 4)	2
PED	C203 (Pathfit 3) Swimming 1	2	NST	C102 National Service Training Program 2	3
NST	C101 Nat'l Service Training Program 1	3			
		30			29

THIRD YEAR

First Semester			Units	Second Semester			Units
NUR	C301	Nursing Research 1	3	NUR	C302	Nursing Research 2	2
NUR	C303	Care of Clients with Problems in Oxygenation, Fluid & Electrolytes, Infectious, Inflammatory, & Immunologic Response, Cellular Aberrations, Acute & Chronic	14	NUR	C304	Care of Clients with Problems in Nutrition & Gastro-intestinal Metabolism & Endocrine, Perception & Coordination (Acute & Chronic)	9
NUR	C307	Care of Older Adult	3	NUR	C306	Care of Clients with Maladaptive Patterns of Behavior, Acute & Chronic	8
HIS	C101	Readings in Philippine History	3	HUM	C102	Art Appreciation	3
				SSC	C102	Contemporary World	3
			23				25

FOURTH YEAR

First Semester			Units	Second Semester			Units
NUR	C401	Nursing Care of Clients with Life-Threatening Conditions, Acutely III/ Multi-organ Problems, High Acuity & Emergency Situation, Acute & Chronic	9	NUR	C402	Disaster Nursing	3
NUR	C403	Nursing Leadership & Management	7	NUR	C404	Intensive Nursing Practicum	8
NUR	C405	Decent Work Employment & Transcultural Nursing	3	HIS	C301	Life& Works of Rizal	3
NUR	C407	Competency Appraisal 1	3	NUR	C406	Competency Appraisal 2	3
			22				17

GROUP REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN NURSING (BSN)

			Units	Units
I.	General Courses			
	1.	General Education Courses		**36**
		A. Core Courses	**27**	
		Understanding the Self	3	
		Readings in Philippine History	3	
		Contemporary World	3	
		Mathematics in the Modern World	3	
		Purposive Communication 1	3	
		Purposive Communication 2	3	
		Art Appreciation	3	
		Science, Technology and Society	3	
		Ethics	3	
		B. Life, Works, and Writings of Rizal	**3**	
		C. Elective Courses	**6**	
		GE 1	3	
		GE 2	3	
	2.	Major Courses		**14**
		Biochemistry	5	
		Anatomy and Physiology	5	

	Microbiology and Parasitology	4	
3.	Other Courses		**17**
	PE 1 (Pathfit 1)	2	
	PE 2 (Pathift 2)	2	
	PE 3 (Pathfit 3	2	
	PE 4 (Pathfit 4)	2	
	NSTP 1	3	
	NSTP 2	3	
	FOS	3	
II.	Professional Courses		
4.	Professional Courses		**131**
	Theoretical Foundations of Nursing	3	
	Health Assessment	5	
	Health Education	3	
	Fundamentals of Nursing Practice	5	
	Community Health Nursing 1 (Individual and Family as Clients)	4	
	Nutrition and Diet Therapy	3	
	Pharmacology	3	
	Care of Mother, Child, Adolescent (Well Clients)	9	
	Health Care Ethics (Bioethics)	3	
	Care of Mother, Child at Risk or with Problems (Acute and Chronic)	12	
	Nursing Informatics	3	
	Nursing Research 1	3	
	Care of Clients with Problems in Oxygenation, Fluid and Electrolytes, Infectious, Inflammatory and Immunologic Response, Cellular Aberrations, Acute and Chronic	14	
	Community Health Nursing 2 (Population Groups and Community as Clients)	3	
	Care of Older Adult	3	
	Nursing Research 2	2	
	Care of Clients with Problems in Nutrition and Gastro-Intestinal Metabolism and Endocrine, Perception and Coordination (Acute and Chronic)	9	
	Care of Clients with Maladaptive Patterns of Behavior, Acute and Chronic	8	
	Nursing Care of Clients with Life-Threatening Conditions, Acutely Ill/Multi-organ Problems, High Acuity and Emergency Situation, Acute and Chronic	9	
	Nursing Leadership and Management	7	
	Decent Work Employment and Transcultural Nursing	3	
	Disaster Nursing	3	
	Intensive Nursing Practicum (Hospital & Community Settings)	8	
	Competency Appraisal 1	3	
	Competency Appraisal 2	3	
		Total	**198**

DESCRIPTION OF COURSES

The course descriptions provided hereafter are intended to guide the students in selecting appropriate courses. For reasons of space, descriptions are most often brief. However, in most cases, courses will offer much more than the items listed in the description. In some courses, the material may change from what is described. If there is doubt concerning the appropriateness of any course for the student's educational objectives, it is advised that the student confers with the adviser.

Prerequisites for courses should be noted carefully; the responsibility for meeting these requirements rests mainly on the student.

The courses herein listed are those which the University intends to offer during the school year. The semestral schedule of courses must be consulted for courses to be offered during a given semester since the frequency of offering of each course is determined by the University as program needs dictate, with no assurance that a given course will be offered every year. The right is reserved to withdraw any course for which there is insufficient registration.

For the guidance of students, all odd-numbered courses are given during the first semester and even-numbered courses during the second semester. Courses numbered in the one hundred are primarily for freshmen; those in two hundred, for sophomores, and so on. The credit for each course is three (3) units unless otherwise indicated.

GENERAL EDUCATION AND MANDATED COURSES

ENG C101. Purposive Communication 1. This course equips students with knowledge of functional grammar and equips them with tools for critical evaluation of a variety of texts and focuses on the power of language and the impact of images to emphasize the importance of conveying messages responsibly. The knowledge, skills, and insights that students gain from this course may be used in their other academic endeavors, their chosen disciplines, and their future careers. They compose and produce relevant written, audio-visual, and/or web-based output for various purposes. *Lecture. 3 units. Credit: 3 units. Prerequisite: None.*

ENG C102. Purposive Communication 2. This course is about speaking and presenting to different audiences and for various purposes. It develops students' communicative competence and enhances their cultural and intercultural awareness through multimodal tasks that provide them opportunities for communicating effectively and appropriately to a multicultural audience in a local or global context. It also provides instruction and experience in preparing and delivering speeches. Students should also demonstrate the speaking, listening, and interpersonal skills

necessary to be effective communicators in academic settings, in their chosen discipline, in their workplace, and in the community. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C101.*

ENG C103. Purposive Communication 3. This course is a process-oriented course that reinforces the writing skills of students in preparation for their career, integrating skills for occupational purposes, and emphasis on writing technical communication. It includes business communication, research writing, scientific paper, feasibility studies, case studies, and other related technical materials. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C101.*

FOS C101. Strategies for Academic Success in College. This course introduces college students to college-level thinking skills, interpersonal skills, and effective study skills necessary for success in college. The purpose of this course is to assist entering freshmen in adjusting to college life and to enhance their knowledge of Jose Rizal University. Major topics include goal setting, time management, efficient and critical reading, note-taking, concentration and memory development, study techniques, test-taking, vocabulary development, and other skills needed in successful transitions associated with college life. The course provides blended learning. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

HIS C101. Readings in Philippine History. This course focuses on the meaning and significance of history and the important role that historians play in society. This introduces the students to the disciplines and major schools of thought that affect the hermeneutics and writing of history. The students will be trained to collect, organize, and examine information and write sequential narratives in various styles of academic history through understanding the primary activities of the historians, their assumptions and limitations, and their social responsibility. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

HIS C301. Life and Works of Rizal. The course is an in-depth study of the life, works, and writings of Dr. Jose Rizal, the country's national hero and martyr. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C101.*

HUM C102. Art Appreciation. Art Appreciation is a three-unit course that develops students' ability to appreciate, analyze, and critique works of art. Through interdisciplinary and multimodal approaches, this course equips students with a broad knowledge of the practical, historical, philosophical, and social relevance of the arts to hone students' ability to articulate their understanding of the arts. The course also develops students' competency in researching and curating art as well as conceptualizing, mounting, and evaluating art productions. The course aims to develop students' genuine appreciation of Philippine arts by providing them

opportunities to explore the diversity and richness and their rootedness in Filipino culture. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

MAT C101. Mathematics in the Modern World. The course begins with an introduction to the nature of mathematics as an exploration of patterns (in nature and the environment) and as an application of inductive and deductive reasoning. By exploring these topics, students are encouraged to go beyond the typical understanding of mathematics, not merely a bunch of formulas but as a source of aesthetics in patterns of nature, for example, and a rich language in itself (and of science) governed by logic and reasoning.

Also, the course proceeds to survey ways in which mathematics provides a tool for understanding and dealing with various aspects of present-day living, such as managing personal finances, making social choices, appreciating geometric designs, understanding codes used in data transmission and security, and dividing limited resources fairly. These aspects will provide opportunities for actually doing mathematics in a broad range of exercises that bring out the various dimensions of mathematics as a way of knowing and test the students' understanding and capacity. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

NSC C202. Science, Technology, and Society. This course examines and reflects on science and technology's impact on the global village economically, politically, socially, and environmentally. The course starts with examining the important question of what is science and technology and their impacts on contemporary society. The course includes discussions on the various theoretical underpinnings of science and technology in society. It also focuses on the impact of science and technology on international relations, social institutions, social groups, and everyday life. Finally, the course looks at the future of science and technology in human civilization. The course provides blended learning. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

PHI C102. Ethics. Morality pertains to the standards of right and wrong that an individual originally picks up from the community. The course discusses the context and principles of ethical behavior in modern society at the level of individual, society, and in interaction with the environment and other shared resources. The course also teaches students to make moral decisions by using dominant moral frameworks and by applying a seven-step moral reasoning model to analyze and solve moral dilemmas. The course is organized according to the three (3) main elements of the moral experience: (a) agent, including context - cultural, communal, and environmental; (b) the act; and (c) reason or framework (for the act). *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

PSY C101. Understanding the Self. The course provides a basic understanding of the nature of identity, the development and maintenance of one's being, and exploration of the issues and concerns regarding self and identity. This course will facilitate and help the students to develop a critical and reflective attitude towards the self and the factors surrounding it. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

SSC C102. Contemporary World. This course introduces students to the contemporary world by examining the multifaceted phenomenon of globalization. Using the various disciples of the Social Sciences, it examines the economic, social, political, technological, and other transformations that have created an increasing awareness of the interconnectedness of peoples and places around the globe. To this end, the course provides an overview of the various debates in global governance, development, and sustainability. Beyond exposing the student to the world outside the Philippines, it seeks to inculcate a sense of global citizenship and global ethical responsibility. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

NST C101.National Service Training Program 1. National Service Training Program is a 54-hour course for the first semester for all freshmen students, male and female. The course provides topics on self-awareness, social behavior, family, and teamwork that will develop self-awareness and self-management of one's behavior. Topics on drug education, health education, juvenile delinquency, environmental awareness, and crime prevention are also included to develop community awareness in preparation for outreach to be undertaken in the NST C102. The course provides blended learning. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

NST C102. National Service Training Program 2. National Service Training Program is a 54-hour course for the second semester for all freshmen students, male and female. It is designed to encourage, develop, and train the students to contribute to the general welfare and the betterment of life for the members of the community or the enhancement of its facilities, especially those devoted to improving health education, environment, safety, recreation, and morale of the citizenry, and other social welfare services. The course provides blended learning. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

PED C101. (Pathfit 1) Foundational course focusing on movement competency, body awareness, and the development of fundamental movement skills to support lifelong physical activity. *Lecture: 2 units. Credit: 2 units. Prerequisite: None*.

PED C102. (Pathfit 2) Emphasizes participation in various exercise programs to improve health-related fitness and promote active lifestyle habits. *Lecture: 2 units. Credit: 2 units. Prerequisite*: *Pathfit 1.*

PED 201. (Pathfit 3) Engages students in sports and recreational activities to enhance skill proficiency, teamwork, and enjoyment of physical activity. *Lecture: 2 units. Credit: 2 units. Prerequisite: Pathfit 1, 2.*

PED C202. (Pathfit 4) Focuses on self-directed fitness planning, wellness management, and sustaining lifelong engagement in physical activity. *Lecture: 2 units. Credit: 2 units. Prerequisite: Pathfit 1, 2, 3*.

PED C203. (Pathfit 3) Swimming 1. This course is designed for students in the College of HRM, Tourism & Cruising Departments who are required to learn the necessary skills of the Sport of Swimming, Basic Life Support (BLS), and Cardio Pulmonary Resuscitation (CPR). *Lecture: 2 units. Credit: 2 units. Prerequisite: Pathfit 1, 2.*

PED C204. (Pathfit 4) Swimming 2. This course is the continuation of honing the acquired basic aquatic skills in Physical Education 101. It is focused on the conversion of basic skills to advanced and competitive levels, including other related aquatic skills. *Lecture: 2 units. Credit: 2 units. Prerequisite: Pathfit 1, 2, 3* .

PED C501. (Pathfit 1) (For Criminology course) Fundamentals of Martial Arts. This course deals with the study of karate combat and arnis as a means of self-defense for law enforcement officers. It includes instructions on safety falls, kickback throws, fighting stances, pushing and open hand strikes, hand grips and grabbing, a headlock and hammerlock, training and conditioning of the body through calisthenics, and developing force and flexibility. *Lecture: 2 units. Credit: 2 units. Prerequisite: None*.

PED C502. (Pathfit 2) (For Criminology course) Disarming Techniques. This course deals with the study and practice of martial arts as a means of self-defense for law enforcement officers. The study emphasizes special instruction in physical conditioning, unarmed defense tactics, offensive and defensive procedures, pistol disarming, and defense against knife and club attacks. It also covers the application of the different principles of karate-do, aikido, long stick, police baton, taekwondo, Thai boxing, and other forms of martial arts. *Lecture: 2 units. Credit: 2 units. Prerequisite: Pathfit 1.*

PED C503. (Pathfit 3) (For Criminology course) First Aid and Water Survival. The course revolves around the basic principles of first aid in emergencies:

application of artificial respiration and treatment of shock; first aid in cases involving burns, bone injuries, poisoning, strokes, fainting, and convulsion, immobilizing and transferring the victim to a place of safety and transporting the injured to the hospital. It also covers special instruction in swimming and forms of the rescue operation, resuscitation in the recovery of submerged victims, safety measures, and accident prevention. *Lecture: 2 units. Credit: 3 units. Prerequisite: Pathfit 1, 2.*

PED C504. (Pathfit 4) (For Criminology course) Marksmanship and Combat Shooting. The course deals with combat shooting courses for police officers to practice the use of handguns in defense combat, firing at moving and stationary targets, training in firearms shooting positions, practice in quick draw techniques, and night firing. *Lecture: 2 units. Credit: 2 units. Prerequisite: Pathfit 1, 2, 3.*

BUSINESS ADMINISTRATION AND ACCOUNTANCY

Department of Accountancy and Law

ACC C101. Financial Accounting and Reporting 1 w/ Conceptual Framework. This course provides reinforcement of basic accounting within the context of business and business decisions. Students obtain additional knowledge of the principles and concepts of accounting, as well as the application that will enable them to appreciate the production of accounting data. Emphasis is placed on understanding the reasons underlying basic accounting concepts and providing students with an adequate background on the recording of transactions, their classifications, and reporting function of accounting in service on a sole proprietorship type of ownership view, trading on a partnership type of ownership and manufacturing on a corporation form of ownership concerns through the preparation of Statement of Financial Position, Income Statement, Statement of Changes in Equity, and Cash Flow Statement. This course also introduces the nature, purpose, status, scope, and limitations of the broad field of accounting theory. It deals with the study of the conceptual/theoretical accounting framework for financial reporting; including accrual and cash basis accounting; interim and segment reporting; and sustainability reporting. *Lecture: 6 units. Credit: 6 units*. *Prerequisite: None.*

ACC C102. Financial Accounting and Reporting 2. This is a continuation of the first course in Accounting. It deals with the underlying accounting standards on financial assets and liabilities and its related transactions. Topics included in the (1) financial assets are Cash and Other Financial Assets, its Nature and composition of cash including Cash control; Other financial assets (initial recognition, basis for classification, subsequent measurement or valuation), derecognition, reclassification and presentation in the financial statements, these may include Financial assets measured at fair value through profit or loss, at fair value through other

comprehensive income, Financial assets measured at amortized cost, Trade and other receivables, Investment in associates; (2) Financial Liabilities are: Classification, Measurement at initial recognition (including debt issue costs), Measurement subsequent to initial recognition, Derecognition of financial liabilities, and Debt restructuring. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACC C101.*

ACC C103. Fundamentals of Accounting. This course provides an introduction to accounting using single proprietorship engaged in service and merchandising activities as the framework for discussion. Topics to be discussed include the nature and purpose of accounting, the types and uses of accounting information, and the accounting cycle, Emphasis is placed on understanding the concepts and principles underlying the treatment and recognition of items in the financial statements. Also to be discussed are special journals, the voucher system, internal control, bank reconciliation, accounts and notes receivable, and inventory costing methods. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ACC C201. Accounting Information System. Accounting Information Systems introduces students to the systems that underlie bookkeeping, accounting, financial reporting, tax reporting, and auditing in all business firms. Such systems are increasingly complex and in a continual state of flux due to rapidly changing technologies and security risks. In this course, the students learn about the development standards and practices for accounting information systems and gain hands-on experience in the use of electronic spreadsheet software for advanced business analysis, and gain hands-on experience with a commercial accounting software package. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102.*

ACC C202. Income Taxation. This introductory Taxation course is primarily concerned with income taxation. The objective is to develop a working knowledge of the basic principles and rules of the income tax system as these apply to individuals, partnerships, and corporations. It covers an overview of the national tax system and the income taxation of employees and unincorporated businesses and incorporated businesses. It provides the students with knowledge of the capital gains tax, final tax on certain passive income, and the year-end tax, including the minimum corporate income tax, the normal tax, and the improperly accumulated profits tax of corporations and withholding taxes. Tax forms are provided for specific topics discussed. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205.*

ACC C203. Cost Accounting & Strategic Cost Management. This course is designed to orient the students to the cost accounting and cost management framework of business. Topics discussed are the overview of cost accounting;

manufacturing cost accounting cycle; costing methods: job and process cost systems; accounting planning and control for materials, labor, and overhead; accounting for joint and by-product costs; and cost management systems (CMS) for the new manufacturing environment such as activity-based costing, total quality management, value reengineering, and theory of constraints. Also discussed is the impact of the environment on costs. *Lecture:6 units. Credit: 6 units. Prerequisite: ACC C101, ACC C102*.

ACC C204. Financial Management. This course provides the synthesis of financial policy into a grand strategy that integrates organizational purpose and goals. The focus of the course is on current thinking regarding the valuation of the firm, investment decision processes, financing, dividend policy, asset management and financial strategies, and portfolio theory. This course also covers financial analysis (interpreting and analyzing financial statements for indications of business performance and use of computers for financial analysis, assessing information weaknesses in financial statements), planning, and the concept of risk. It includes the formation and use of current assets, working capital, and credit policy. Finally, the course includes the understanding of long-term financing instruments and the capital structure. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205*.

ACC C205. Intermediate Accounting 1. This course introduces the nature, functions, scope, and limitations of the broad field of accounting theory. It deals with the study of the theoretical accounting framework objectives of financial statements, accounting conventions, and generally accepted accounting principles, standard-setting process for accounting practice, national as well as international principles relating to the preparation and presentation of financial statements, the conditions under which they may be appropriately applied, their impact or effect on the financial statements; and the criticisms commonly leveled against them. The course covers the detailed discussion, appreciation, and application of accounting principles covering the assets, financial and nonfinancial. Emphasis is given on the interpretation and application of theories of accounting in relation to cash, temporary investments receivables, inventories, prepayments, long-term investments, property, plant and equipment, intangibles, and other assets, including financial statement presentation and disclosure requirements. The related internal control, ethical issues, and management of assets are also covered. Exposure to the computerized system in receivables, inventory, and lapsing schedules is a requirement in this course. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACC C101, ACC C102*.

ACC C206. Intermediate Accounting 2 and 3. This course is designed to cover the financial accounting principles relative to recognition, measurement, and

valuation of liabilities and shareholders' equity. It also deals with the preparation of a properly classified balance sheet, income statement, statement of changes in equity, and statement of cash flows, including the required disclosures and notes to the financial statements. It also covers the reconstruction of accounts from incomplete records, changes from cash basis to the accrual basis of accounting, correction of errors, accounting changes, discontinued operations, earnings per share, accounting for changing prices, interim reporting, segment reporting, and other current related items. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACC C101, ACC C102, ACC C205*.

ACC C207. Fundamentals of Accounting. Same as Accounting C101, *Lecture: 6 units. Credit: 6 units, Prerequisite: NONE*

ACC C301. Business Tax. This course involves an intensive study of the business and transfers tax system, including the estate tax, gift tax, and transfer tax. The relationship between these three donative transfer taxes and between the transfer taxes and the income tax are emphasized. The policy underpinnings of wealth transfer taxation and the reasons for the recent erosion in its political support will be explored. The Expanded Value-Added Tax and percentages taxes are also discussed. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C202, ACC C205*.

ACC C309. Management Accounting. Same as ACC C605. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C203.*

ACC C502. Professional Elective 2. This course deals with the provisions of the law applicable to the banking and financial system of the Philippines. It includes, the PDIC Law, the New Central Bank Act, the Law on Secrecy of Bank Deposits, the Truth in Lending Act, Unclaimed Balances and the Anti-Money Laundering Act as well as the Data Privacy Act. It also deals with other equally significant special laws that affect the business climate such as the Electronic Commerce Act, the Intellectual Property Law, Ease of Doing Business Act in the Philippines, Labor Standards Law and the basic provisions of the Social Security Law. *Lecture: 3 units. Credit 3 units. Prerequisite: LAW C202.*

ACC C504. Accounting for Business Combinations and Special Transaction. Same as ACC C608.

ACC C512. Internal Auditing. The course will cover internal audit from a broad perspective that includes information technology, business processes, and accounting systems. Topics include internal auditing standards, risk assessment, governance, ethics, audit techniques, and emerging issues. The course covers the

design of business processes and implementation of key control concepts and will use a case study approach that addresses tactical, strategic, systems, and operational areas. Business improvements in the effectiveness and efficiency of business processes and controls will be covered in the areas of operations, finance, and technology. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206.*

ACC C601. Financial Market. This course is a continuation of Financial Management I and provides a conceptual framework within which key financial decisions and risks relating to corporations are analyzed. This analysis considers shareholder wealth maximization, long-term financing, capital budgeting, risk management (the nature of risk, risk concepts, benefits of risk management, risk management processes, enterprise-wide risk management, managing operating risk and financial risk, credit risk models including Based II) capital acquisition analysis, capital structure decision, valuation of financial instruments, and the dividend decision. It also examines the main types of derivative contracts: forward contracts, futures, swaps, and options, and how these instruments are used in managing and modifying financial risk. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C204*.

ACC C603. Professional Elective 3. This course complements the Accounting Course Subjects. It covers the Philippine version of International Financial Reporting Standards set by PAS council. The Philippine/International Financial Reporting Standards includes the following for discussion: IFRS - First time adoption; Share-based compensation; Business combination; Non-current Assets held-for-sale and discontinued operations; Exploration for and evaluation of mineral resources; Financial Instruments disclosures; operating segments; Financial Instruments; Consolidated financial statements; Joint Arrangements*;* Disclosures; Fair value measurement; Regulatory deferral; Revenue from contracts with customers; Leases; and Insurance contracts. *Lecture: 3 units. Credit 3 units. Prerequisite: ACC C206.*

ACC C605. Strategic Business Analysis. This course is designed to acquaint students with the role of the accountant in the management team by providing and assisting in the analysis, interpretation, and forecasting of business organizations. It covers the discussion of the foundation of management accounting; its expanding role, organizational structure, and professional ethics for management accountants; design of management accounting systems; performance measurement for planning and control; business planning and budgetary systems, and strategic planning. This course also covers the application of techniques and concepts focusing on decision-making (short-term and long-term decisions) and non-financial indicators. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACC C101, ACC C102, ACC C203, ACC C205*.

ACC C606. Auditing and Assurance Concepts and Applications 1 and 2. This is a continuation of Assurance Principles, Professional Ethics, and Good Governance, focusing on financial statements audit. It covers detailed approaches to problems and situations normally encountered in the independent examination of cash, receivables, inventories, investments, prepaid expenses, deferred charges, property, plant and equipment, intangibles, liabilities, owners' equity, and revenue and expenses. It deals specifically with the application of auditing standards, techniques, and procedures; internal control evaluation; preparation of audit working papers; introduction of computer application in auditing' audit adjustments; and audit reports pertaining to a medium-sized manufacturing or trading concern. The determination of audit objectives and audit programs, evaluation of internal control, and determination of substantive procedures as applied to various accounts are better appreciated as the transaction cycle approach is employed in the course. Audit working papers and audited financial statements are the natural outputs of this course, leading to the preparation of audit reports. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACCC101, ACC C102, ACC C205, ACC C206, ACC C607*.

ACC C607. Auditing and Good Governance. This course is designed to expose students both to the demand for and the supply of the profession's flagship service – financial statement audits – and to the nature of the value-added assurance services which decision-makers demand in the information age. Topics include: nature of the accounting profession, auditing and assurance fundamentals: relationship among assurance, attestation, and audit services; consulting vs. assurance services; types of attestation services (agreed-upon procedures engagement and review engagement); types of audits (internal, external or financial statement audits, government audit, and special purpose audits); relationship of accounting and auditing; other services (operational audits, compliance audits, and non-attest services); professional standards: assurance standards and attestation and auditing standards; public sector regulation of accounting practice and legal liability; the framework of financial statements auditing: risk-based approach as audit methodology; audit evaluation and planning, including the concept of risk and materiality; assessing internal controls, and test of controls including internal controls in computer-based business systems; performance of an audit: evidence collection, analysis, and substantive tests; reporting: reports on assurance services, attestation services, and financial statement audits; and completing the audit including communications with board of directors and management concerning internal control weaknesses. Also discussed in detail are the basic professional values and the Code of Ethics for Professional Accountants, and SEC's Code of Corporate Governance. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206*.

ACC C608. Accounting for Business Combinations and Special Transactions. This course deals with specialized accounting problems likely to be encountered by accountants. The study of the various topics in this course is based upon fundamental valuation accounting and accounting theory as applied to special income and expense recognition methods and expanded business operations. This course includes specialized problems in partnership accounting; accounting for joint ventures and associated enterprises (including International Accounting Standards Statements Nos. 24, 28, and 31); accounting for domestic branches; accounting for installment sales; accounting for long-term construction contracts; fire insurance accounting; and other special issues such as build-operate-transfer (BOT) and similar schemes. It deals mainly with consolidation and mergers, parent-subsidiary relationships, and consolidated statements, including foreign subsidiaries. The other topics deal with accounting for the effects of changes in foreign rates and other similar current issues. Also discussed are debt restructuring, accounting for financially distressed corporations, accounting for the winding up of an enterprise, and accounting variations among countries. *Lecture: 6 units. Credit: 6 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206*.

ACC C609. Accounting for Government and Non-Profit Organization. This course involves accounting and reporting the government transactions using the Philippine Government Accounting Standards (PGAS) and the New Government Accounting System (NGAS) prescribed by the Commission on Audit and International Public-Sector Accounting Standards (IPSAS). It also covers accounting and reporting the financial and operating results of not-for-profit organizations such as NGOs, charitable institutions, and specialized industries such as universities, hospitals, banks, insurance, and extractive industries. *Lecture: 3 units. Credit: 3 units Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206.*

ACC C610. Accounting Research Methods. This course is about the systematic search, discovery, interpretation, and development of methods for advancing human knowledge and solutions to the various accounting and finance concerns of business and society. It includes, among other practical instructional guidelines, data gathering and processing to come up with vital information. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206, MAT C301, ACC C605*.

ACC C611. Accountancy Research. This course involves the use of knowledge obtained from previous accounting and finance, including the research skills learned in this course to solve accounting and finance problems. It introduces students to research current issues in accounting and finance using various online databases. The students learn applied research for solving complex accounting and

reporting issues, including both financial and tax accounting cases. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C301, ACC C610.*

ACC C613. Accounting Internship. The course is designed for students who are in their senior year in college. Students are assigned in different institutions/ establishments/companies or the like to accumulate a required number of hours of actual practice. The program aims to familiarize students with the business environment, gain insights and experiences on the actual job, integrate the theories/ principles and concepts learned with actualities in the business world. *Credit: 6 units. Prerequisite: ACC C101, ACC C102, ACC C203, ACC C205, ACC C204, ACC C202, ACC C206, ACC C607, ACC C601, ACC C605, ACC C608, ACC C606, ACC C614, ACC C616, ACC C609, ACC C301 (Required at least 400 hours).*

ACC C614. Auditing and Assurance: Specialized Industries. This course is designed to orient the students in the application of the audit standards techniques and procedures in the risk-based audit process in specialized industries. Specialized industries include government agencies (GOCC's & LGU's), banking, insurance, real estate, not-for-profit entities, BPOs, broadcastingcompanies, hospitals, cooperatives, academe, telecommunications, and constructioncompanies. The course will cover the stages of the risk-based audit process, namely risk assessment (preliminary engagement activities, planning the audit and performance of the risk assessment procedures) and risk response (designing and tests of controls and substantive test of transactions in the revenue and collection cycle, expenditure cycle and financing and investing cycle. The application of audit procedures in performing substantive tests of transactions and account balances. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206, ACC C607.*

ACC C615. Professional Elective 4. The course is primarily focused on taxable income not subject to regular tax. The objective is to develop a working knowledge of the basic principles and tax rules for other taxable income not subject to the regular income tax rate for both individual and corporate tax payers. It covers an overview of the national tax system pertaining to passive income subject to final withholding taxes [FWT], dealings in properties classified as capital assets and entities subject to special rates under local ecozones; local taxation; preferential and tax remedies. It will provide students with knowledge on the taxable income and tax due computations of income subject to specific tax rates covering TRAIN and CREATE law. Familiarization on the corresponding attachments and forms to be utilized for each type of income source, required by the bureau. *Lecture: 3 units. Credit 3 units. Prerequisite: ACC C202.*

ACC C616. Auditing in CIS Environment. The course complements the course in auditing. It discusses IT-related risks, security and control mechanisms,

and techniques that may be employed to address the risks and the impact of computer use on the audit. It also introduces computer-assisted audit techniques and tools. In this course, students gain an appreciation of the particular features and understanding of the risks involved in auditing in a CIS environment. The CIS controls that would expect to find in this particular area, how auditors use CAATS (Computer Assisted Audit Techniques) in this area. The students gain hands-on experience in the use of computers in performing audits. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206, ACC C607.*

ACC C618. Integrated Accounting Course on Regulatory Framework and Business Transactions. This course provides a review of the application of the legal concepts and rules governing the law on obligation and contracts; regulatory framework governing business transactions and business organizations/associations, and of business laws including their legal implications. *Credit: 2 units. Prerequisite: ACC C101, ACC C102, ACC C202, ACC C203, ACC C204, ACC C205, ACC C206, ACC C301, ACC C502, ACC C601, ACC C605, ACC C606, ACC C607, ACC C608, ACC C609, ACC C611, ACC C613, ACC C614, ACC C615, ACC C616, LAW C201, LAW C202, LAW C302.*

ACC C620. Integrated Accounting Course in Taxation. This course provides a review of the principles and rules governing tax system applies to individual, partnership and corporation. It involves extensive review of the business and transfer tax system, including the estate tax, the gift tax, and transfer tax. *Credit: 2 units. Prerequisite: ACC C101, ACC C102, ACC C202, ACC C203, ACC C204, ACC C205, ACC C206, ACC C301, ACC C502, ACC C601, ACC C605, ACC C606, ACC C607, ACC C608, ACC C609, ACC C611, ACC C613, ACC C614, ACC C615, ACC C616, LAW C201, LAW C202, LAW C302.*

ACC C622. Integrated Accounting Course in Management Advisory Services. This course provides a review of the application of techniques and concepts focusing on decision-making, analysis, interpretation, and forecasting of business organizations and non-financial indicators. *Credit: 2 units. Prerequisite: ACC C101, ACC C102, ACC C202, ACC C203, ACC C204, ACC C205, ACC C206, ACC C301, ACC C502, ACC C601, ACC C605, ACC C606, ACC C607, ACC C608, ACC C609, ACC C611, ACC C613, ACC C614, ACC C615, ACC C616, LAW C201, LAW C202, LAW C302.*

ACC C624. Integrated Accounting Course in Auditing. This course provides a review of the application of auditing standards, techniques, and procedures; internal control evaluation; preparation of audit working papers and other audit reports. *Credit: 2 units. Prerequisite: ACC C101, ACC C102, ACC C202, ACC C203, ACC C204, ACC C205, ACC C206, ACC C301, ACC C502, ACC C601,*

ACC C605, ACC C606, ACC C607, ACC C608, ACC C609, ACC C611, ACC C613, ACC C614, ACC C615, ACC C616, LAW C201, LAW C202, LAW C302.

ACC C626. Integrated Accounting Course in Financial Accounting and Reporting. This course provides a review of the interpretation and application of accounting principles, concepts and theories required on assets, liabilities and shareholders' equity. *Credit: 2 units. Prerequisite: ACC C101, ACC C102, ACC C202, ACC C203, ACC C204, ACC C205, ACC C206, ACC C301, ACC C502, ACC C601, ACC C605, ACC C606, ACC C607, ACC C608, ACC C609, ACC C611, ACC C613, ACC C614, ACC C615, ACC C616, LAW C201, LAW C202, LAW C302.*

ACC C628. Integrated Accounting Course in Advanced Financial Accounting and Reporting. This course provides a review of the specialized accounting problems; fundamental valuation accounting and accounting Theory as applied to special income and expense recognition methods and expanded business operations. *Credit: 2 units. Prerequisite: ACC C101, ACC C102, ACC C202, ACC C203, ACC C204, ACC C205, ACC C206, ACC C301, ACC C502, ACC C601, ACC C605, ACC C606, ACC C607, ACC C608, ACC C609, ACC C611, ACC C613, ACC C614, ACC C615, ACC C616, LAW C201, LAW C202, LAW C302.*

LAW C201. Law on Obligation and Contract. The purpose of this course is to study the nature, kinds, and effects of obligations and their extinguishment; contracts in general, their requisites, form, and interpretation; and defective contracts, including quasi-contracts, natural obligations, estoppel, and prescription. Specific courses and topics on Part I: Obligations include its elements, natural obligations, sources of obligation, classification, natural effects, Usurious transactions, kinds of obligations, and extinguishment of obligations. For Part II: contracts, topics include Concept and definition, classification, characteristics, requisites, forms and interpretation of contracts, and reformation of instruments. Specific examples of obligations and contracts are to be presented, examined, and discussed in the class. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

LAW C202. Business Laws and Regulations. This course is the second in the series of courses that cover the topic of the regulatory framework governing business transactions and business organizations/associations and of business laws, including their legal implications. The courses tackle pertinent legal provisions, general principles, concepts, and underlying philosophy of the laws applicable to commerce and business.

The students are given working knowledge to apply the various regulatory framework measures and the pertinent provisions of the law relative to particular business scenarios. They are also familiarized with clients' rights and remedies, with

the handling of disputes on regulatory issues. The various regulatory offices that they will be interacting with are discussed, including basic regulations that they will derive benefit from.

This course is intended to give the students a broad knowledge of legal provisions governing business associations - partnerships, corporations (including foreign corporations), and cooperatives. The course discusses their organization/formation, registration, administration, rights, powers, duties and obligations, dissolution, liquidation, and other relevant topics. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201.*

LAW C302: Regulatory Framework and Legal Issues in Business. This course deals with the law on sales covering contracts for the sale of goods including its nature, forms and requisites, distinguished from dacionenpago, cession in payment, contract for a piece of work, and barter, earnest money as distinguished from option money; rights/obligations of vendee and vendor; remedies of the unpaid seller; warranties; sale with a right to repurchase or conventional redemption and legal redemption; sale on credit; and installment sales (personal property – Recto Law, real property – Maceda Law). It also covers the law on agency; its nature, form, and kinds; obligations of the agent and the principal; and modes of extinguishments. Other relevant laws on commerce and trade are also included, such as the Law on Credit Transactions, Intellectual Property Law, Electronic Commerce Act, and the Ease of Doing Business and Efficient Delivery of Government Service Law. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201.*

LAW C501. Law on Business Organizations. This course is an introductory study on the laws of partnership and private corporations. It will focus on the legal requirements for the formation of these business organizations as juridical entities, their powers, management, and dissolution. The rights and liabilities of the members composing the business organization, whether as partners, stockholders, officers, or directors, are also studied. Important doctrines in corporate law are also tackled in the course. *Lecture: 3 units. Credit: 3 units Prerequisite: LAW C201.*

LAW C502 Banking Laws. This course provides an overview and an introductory knowledge of the law applicable to the banking and financial system of the Philippines in the context of the global financial system. It will examine the current law and practice in the field of banking law, such as the Gen. Banking Law of 2000 (R.A 879), The New Central Bank Act (R.A 7653), PDIC Act, Truth in Lending Act (R.A 3765). Specifically emphasized will be the history and development of the Philippine Banking System and the Central Bank of the Philippines. The courses covered include: (i) the role of banking regulators, such as the Bangko Sentral ng Pilipinas (BSP), (ii) panics, retail and wholesale "runs" on banks, and the role of the

Philippine Deposit Insurance Corporation (PDIC); (iii) the regulation of bank holding companies; (iv) the regulation of non-Philippine banks operating in the Philippines; (v) the regulatory impact of the AMLAC (Anti-Money Laundering Act) and the Bank Secrecy Law; and the ASEAN Economic Community (AEC) 2015 Integration; and (vi) retail (i.e., consumer) banking. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

LAW C503 Law on Income Taxation. The course is an introduction to taxation and income tax course. It is principally a study of the basic principles of Taxation, Income Taxation, Estate, and Donor's taxes and the different businesses and transfer taxes imposed under the National Internal Revenue Code (NIRC). The first part is aimed at situating Taxation as a law in the context of the Philippines' legal system. It introduces the student concept of Taxation and its significance as a State Power. It also seeks to thoroughly acquaint the student with the general principles of Taxation. The second part is specifically primarily devoted to the study of the concept of Income and Income Taxation, business taxes specifically, Value-Added Tax (VAT), as well as other business taxes, namely: excise taxes, other percentage taxes, documentary stamp taxes, and community tax certificate. It emphasizes the social and moral responsibility of the people to pay the taxes in support of the government and enhance human development and social transformation. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, LAW C501.*

LAW C504 Business Protection Laws (Property and Intellectual Property Rights- IPR). This course is designed specifically for BSLM students and will introduce the students to the concept of intellectual property and the meaning of copyright, trademark, trade name, patent, and invention. The course focus on the strategic importance of IPR/IP as it has risen to a position of prominence on the strategic agenda of today's managers. IP is any product or result of a mental process that is given legal protection against unauthorized use. It has been transformed from a dormant area of law and business to one of the driving engines of the high technology economy. For these reasons, the discussion will be made on the registration and protection of intellectual property on the following areas or types of IP: patents, copyrights, trademarks, and trade secrets. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, LAW C501.*

LAW C505. Criminal Law with Business and Cyber Crimes and Torts in the Business Environment. This course consists of three parts: First is a brief examination into the characteristics of criminal law, the nature of felonies, stages of execution, circumstances affecting criminal liability, persons criminally liable; the extent and extinction of criminal liability as well as the understanding of penalties in criminal law, their nature, and theories, classes. The second part deals with Cyber

Crimes (also known as white-collar crimes), including e-commerce, particularly on the nature of crimes committed on "online transactions" (internet/web); while the third part is a study and appraisal of specific felonies penalized in Book II of Revised Penal Code, as amended, their nature, elements and corresponding penalties, including Cyber Crimes and a study on Torts; which is an analysis of the law on quasi-delicts as well as the nature, classes, and extent of damages. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201.*

LAW C506. Law on Business Transactions (Sales, Agency, Negotiable Instruments, and Credit Transactions). This course is an introduction to the principles and application of negotiable promissory notes, bills of exchange, and checks. Collectively referred to as negotiable instruments, these documents have become indispensable in the financial systems of modern nations. The course aims to familiarize the students with the basic principles of negotiable instruments law and the application of these principles in the world of law and finance. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

LAW C507. Labor Law and Social Legislations. This is an introductory course on labor law and procedures where the emphasis is placed on legal principles and concepts. The course is divided into three major parts, known as modules. The first part deals with labor standards law. The second part deals with the law on labor relations. The third part deals with the procedures and administrative machineries involved in enforcing these laws. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, LAW C501.*

LAW C508. 4. Law on Business and Transfer Taxation. The course covers transfer and business taxes. It deals with the imposition of the tax on the gratuitous transfer of property and the privilege to engage in trade or business. It emphasizes the social and moral responsibility of the people to pay the taxes in support of the government in order that the same government will be able to render the appropriate services in their favor. The emphasis is on the application of the theory and principles in solving tax problems. It tests the students' conceptual knowledge and proficiency in the practical application of the law as they relate to accounting practice and use the same knowledge to enhance human development and social transformation. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201.*

LAW C509. Retail Trade Laws and Consumer Act (with e-Commerce Law). This course is a study of R.A. 8767 or the "Retail Liberalization Act of 2000. It deals with the study on the specific details of the law, prioritizing consumer welfare and attracting potential investors in the retail industry in the Philippines. The emphasis of this course is on how this law impacts local retailers, particularly consumer rights. The course also discusses specific provisions on e-commerce and

its implications on retailers and consumers. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201.*

LAW C510. Human Rights. This is an elective-specialized course that is focused on the aspects of protecting, defending, and seeking redress for violations of human rights in the Philippines. It is aimed to help students prepare concept papers on Human rights with sound legislative and/or administrative recommendations that can be sent to policy-making bodies in government such as the Office of the President, through the National Commission on the Role of Filipino Women, or the Senate and the House of Representatives, through their respective Committee on Women. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, LAW C505.*

LAW C511. Law on Legal Processes. This course is a general survey and integration of the principles of court jurisdiction, civil and criminal procedure, special civil actions, special proceedings, provisional remedies, and evidence. A detailed study of the procedural rules governing the trial and disposition of criminal cases in court, including the jurisdiction of courts in criminal cases, may be opted for to train para-legal practitioners supporting professionals in the legal profession. This includes a study of the law and jurisdiction of courts in civil actions and Rules 1 to 71 of the 1997 Rules of Civil Procedure. These rules cover ordinary Civil Actions. Provisional Remedies and Special Civil Actions. The study of the rules is supplemented by a study of selected applicable jurisprudence, suited to a one-semester 3-unit course. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, LAW C505.*

LAW C512. Environmental Laws (International Agreement, Treaties, and Protocols). This course is a study of the constitutional provisions and special laws governing natural resources and their use and disposition. The study includes existing laws protecting the environment and the ecosystem and prevailing rules against the despoliation of the environment. The course includes a study of various international agreements and Protocols on the environment, such as the Paris Accord and the Kyoto Protocol. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, LAW C505.*

LAW C513. Strategic Legal Management. This course defines and describes business and its various forms. It provides the concept of organizational culture and how it affects the formulation of strategies. The course will gain an appreciation on how strategic management works, including the strategic management process. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

LAW C514. Laws on Public Utilities. The course is a study on public utilities, which includes the general principles and basic regulations governing

common carriers by land, sea, and air. Specifically, it examines the laws relevant to the transportation of goods and passengers by land, sea, and air for compensation, as well as the relevant cases that establish the obligations and liabilities of the common carriers to owners of goods and passengers. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, LAW C505.*

LAW C516. Capstone Project. Same as RES C402. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C503, LAW C505, LAW C507, LAW C508, LAW C509, LAW C510, LAW C512, LAW C514.*

RES C401. Research 1 (For BS Legal Management students only). The course is an introduction to legal research methodology, which is designed to provide an overview of the Philippine Legal System as sources of the research framework, issues and authorities, as well as of the fundamental concepts, principles, and theories of legal research, as appropriately guided by the Manual of Legal Citation, the Manual of Judicial Citations, and the Publication Manual of the American Psychological Association. It also includes a discussion of the principles and legal aspects of academic honesty in research. This course will also introduce the student into the proper writing techniques. It involves applied legal bibliography, case digesting and reporting analysis, legal reasoning, and preparation of legal opinions or memoranda. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C514, LAW C508, LAW C510, LAW C512, LAW C509, LAW C503, LAW C507, LAW C505.*

RES C401. Research 1 (for BSBA major in Accounting students). The course covers the first part (Part 1) of two parts on a comprehensive approach to scientific research, regarding the Statement of the Problem, Review of Literature, and the Methodology. This course deals with the research techniques crucial for good economic analysis, such as data search, interview methodologies, surveys, and rudimentary statistical analysis. *Lecture: 3 units. Credit 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206, ACC C301, ACC C309, MAT C301, ACC C504, ACC C512*

RES C402. Research 2-Thesis (for BSBA major in Accounting students). The course covers the second part (Part II) of two parts on a comprehensive approach to scientific research, regarding the Presentation of the Data, Conclusions, and Recommendations. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C401.*

PRC C401. Practicum 1 (for BSBA major in Accounting students). (300 hours) The course is designed for students who are in their senior year in college. Students are assigned to different institutions, establishments/companies, or the like to accumulate a required number of hours of actual practice. The program aims to

familiarize students with the business environment, gain insights and experiences on the actual job, and integrate the theories/principles and concepts learned with actualities in the business world. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206, ACC C301, ACC C309, ACC C504, ACC C512*

PRC C401. PRACTICUM 1: Integrated Work Learning/Internship: (320 hours) – (for BS Legal Management students only). This is an apprenticeship course /program for BS Legal Management senior students. Students are exposed to the real world of practice through a Field immersion process in the three main areas of business management, government and regulatory agencies, and legal practice: private law office, business establishment (or NGO), judiciary, and government (or regulatory agency). All three components must be completed regardless of the Specialization: General Management, Law, or student-constructed track.

Profit-Oriented (Business) Organization or NGO-160 hours. Law Office/ Judiciary/Government and Regulatory Agencies-160 hours. *Credit: 3 units. Prerequisite: LAW C514, LAW C508, LAW C510, LAW C512, LAW C509, LAW C503, LAW C507, LAW C505.*

PRC C402. Practicum 2(for BSBA major in Accounting students). (300 hours). This course is a continuation of Practicum 1 to complete the required number of hours. *Credit: 3 units. Prerequisite: ACC C101, ACC C102, ACC C205, ACC C206, ACC C309, ACC C301, ACC C504, ACC C512*

DEPARTMENT OF ECONOMICS, FINANCE, AND MARKETING

ECO C202. Basic Macroeconomics. This course will provide an overview of macroeconomic issues: the determination of output, employment, unemployment, interest rates, and inflation. Monetary and fiscal policies are discussed, as are public debt and international economic issues. It introduces basic models of macroeconomics and illustrates principles with the experience of the Philippines and other economies. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C203.*

ECO C203. Basic Microeconomics. This course begins with an introduction to supply and demand and the basic forces that determine equilibrium in a market economy. It introduces a framework for learning about consumer behavior and analyzing consumer decisions, the firms and their decisions about optimal production, and the impact of different market structures on firms' behavior. This course will enable the students to understand the introductory microeconomic

theory, solve basic microeconomic problems, and use these techniques to think about several policy questions relevant to the operation of the real economy. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

ECO C301. Advanced Microeconomics. This course approaches microeconomic analysis at an advanced level, presenting some formal techniques used in economic research as well as critical perspectives and possible alternatives. The course will focus on the analytical tools of modern microeconomics – especially game theory and information economics–and will apply these tools mostly to problems related to industrial organization, e.g., imperfect competition, auctions, contracts, price discrimination, etc. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C203.*

ECO C302. Advanced Macroeconomics. This course provides an aggregate view of the economy. It will strive to explain trends and fluctuations in important macroeconomic aggregates like output, employment, and prices. The role of the government in influencing these aggregate variables shall be discussed. It also covers important theoretical underpinnings behind different paradigms in macroeconomics, as in Keynesian and classical models. Discussion of theories will be related to recent developments in the economy, which have important policy implications. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C202.*

ECO C303. History of Economic Thought. This course emphasizes the evolutionary development from the Medieval Period to the present day, origins and development of classical economics. This course is also a critique of the various schools of economic thought, such as classicism, subjectivism, old school, neo-classical economics, institutionalism, and imperfect competition theories. The course will also discuss selected authors of the tradition of economic theory to embed them into the framework of institutional determinants and related regimes and principles of intellectual debate and change. *Lecture: 3 units.* C*redit: 3 units: Prerequisite: ECO C202.*

ECO C304. Economic Development. This course is an interdisciplinary overview of the problem of improving the standard of living and the overall quality of life of the human population. Economic, political, cultural, sociological, and psychological dimensions of this problem are included. Special attention and emphasis are given to improving the living standards of the vast majority of the world's people, those who live in the less economically developed countries. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C203.*

ECO C305. Mathematical Economics. This course presents the mathematics required for studying economics. Mathematical concepts are

developed in the context of economics, and applications are drawn from a wide range of fields in economics, including microeconomics, macroeconomics, economic growth, international trade, international finance, labor and environmental economics, industrial organization, and development economics. The course covers equations, functions, sets, matrix algebra, total and partial differentiation, as well as comparative static analysis in the context of partial and general equilibrium models. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101.*

ECO C306. Monetary and Fiscal Policy. This course will provide the student with an advanced understanding of monetary economics, including contemporary and historical monetary theory, central banking, and monetary policy. This course will investigate the origins and role of money, theories regarding the supply of and demand for money, and the role of money in determining aggregate demand, output, prices, and other key macroeconomic variables. This course will also analyze the evolving role of central banking and views regarding the role and conduct of monetary policy, including recent and historical international policy actions. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C203.*

ECO C308. Principles of Econometrics. This course covers the statistical tools needed to understand empirical economic research and plan and execute independent research projects. Topics include statistical inference, regression, generalized least squares, instrumental variables, simultaneous equations models, and evaluation of government policies and programs. The goal is to help the students develop a solid theoretical background in introductory-level econometrics, the ability to implement the techniques, and to critique empirical studies in economics. *Lecture: 3 units. Credit: 3 units. Prerequisite ECO C305.*

ECO C310. Managerial Economics. This course focuses on the application of economic models and rationale choice to business decision-making. Topics include an overview of managerial economics, demand and supply; costs of production and the organization of the firm; market structure and pricing and output decisions; game theory and pricing strategies; and the economics of information and the role of government in the marketplace. It provides relevance of economic theories and their accompanying tools for decision making to policy and decision-makers and managers of organizations. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C302.*

RES C401. Research I. The course covers the first part (Part I) of two parts on a comprehensive approach to scientific research, regarding the Statement of the Problem, Review of Literature, and the Methodology. This course deals with the research techniques crucial for good economic analysis, such as data search,

interview methodologies, surveys, and rudimentary statistical analysis. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C302, ECO C304, ECO C306, ECO C308, ECO C310.*

RES C402. Research 2 (Thesis). The course covers the second part (Part II) of two parts on a comprehensive approach to scientific research, regarding the Presentation of the Data, Conclusions, and Recommendations. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C401.*

PRC C401. Practicum I. (300 hours) The course is designed for students who are in their senior year in college. Students are assigned in different institutions/establishments/companies or the like to accumulate a required number of hours of actual practice. The program aims to familiarize students with the business environment, gain insights and experiences on the actual job, integrate the theories/ principles and concepts learned with actualities in the business world. *Credit: 3 units. Prerequisite: ECO C306, ECO C308, ECO C310.*

PRC C402. Practicum II. This course is a continuation of Practicum I to complete the required number of hours (300 hours). *Credit: 3 units. Prerequisite: ECO C303, ECO C308, ECO C310.*

FIN C201. Financial Management 1. This course is an introduction to financial management part I. The course offers a unique balance of clear concepts, contemporary and practical applications. It involves studies on decision-making utilizing financial resources available to the firm from the perspective of the manager. The course emphasizes the understanding of finance theory and working knowledge of the financial environment in which the firm operates to develop appropriate financial strategies. It covers the key finance concepts, the firms, and the financial market, financial statement analysis, time value of money, and stock and bond valuation. *Lecture: 3 units. Credit: 3 units. Prerequisite: ACC C102.*

FIN C202. Financial Management 2. Part II of the introductory course in financial management covers capital budgeting, capital structure, dividend policy, and working capital management. Special topics in financial management, such as risk management and multinational financial management, are also discussed. The course provides students with a full understanding of the conceptual theories and practical skills that lead to stronger financial decisions. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C101, ACC C102.*

FIN C501. Financial Analysis and Reporting. This course covers current practices in corporate financial reporting and fundamental issues relating to asset valuation and income determination. The emphasis is on financial statement

analysis and interpretation of financial disclosures to help improve risk assessment, forecasting, and decision-making. The main focus is developing a set of powerful analytical tools to understand the environment in which financial reporting choices are made, what the options are, how financial data are used for various types of decisions, and how to avoid misusing financial statements. The course utilizes a combination of lectures, case discussions and analyses, numerical exercises, and independent reading. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C202, ACC C102.*

FIN C502. Cooperative Management. This course equips the students with the practical knowledge of cooperatives, a type of organization that creates both social and economic value. It covers a discussion on the principles of cooperatives, the various types of cooperatives, the key financial and legal dimensions of cooperatives, the various stages in the life cycle of a cooperative, and identifies potential pitfalls that can be avoided. The Cooperative Code of the Philippines (Rep. Act No. 6938) is also discussed. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C202.*

FIN C503. Investment and Portfolio Management. This course introduces the theory and application of investment principles and exposes the students to various investment instruments in the market, i.e., stocks, bonds, foreign exchange, and others. It describes the process of analyzing decisions relating to modern investment theories, behavioral finance, and securities valuation using both fundamental and technical analysis of securities concerning their markets, industries, and companies. The course will also deal with securities' risk-return trade-off analysis of modern portfolio theories like the efficient market hypothesis CAPM, APT, and other portfolio theories. Finally, it describes portfolio selection, performance evaluation, and management. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C202.*

FIN C504. Capital Market. This course offers a survey of the major financial markets and instruments which make up capital markets: bonds, stocks, and derivatives. It focuses on Capital Market Theory, its efficiency, and its implications. It establishes its coherence with the rest of the financial institutions within the commercial environment. The course also deals with the relationship of the financial market with the government and how the latter stands as a powerful, influential tool. The course likewise attempts to develop the analytical ability of the students through various financial case presentations. *Lecture: 3 units. Credit: 3 units: Prerequisite: FIN C503.*

FIN C505. Banking and Financial Institutions. This course firmly equips the students with the necessary concepts, principles, and techniques used in

sourcing and allocating bank funds that would maximize corporate/shareholders' wealth while maintaining adequate liquidity consistent with acceptable levels of risks. It familiarizes the students to understand what a bank is, what services they offer, what motivates their behavior, their sizes and market shares, the economic and financial forces that have changed the way banks operate, the main sources and uses of funds, and profitability. It is the objective of the course to challenge students, as prospect bankers, to be able to confront head-on the strategic issues of risk, regulation, technology, competition, and globalization that face and shape all the past, present, and future of the banking industry in its entirety. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C202.*

FIN C506. Credit and Collection. This course covers techniques of establishing the credit, obtaining and checking information, servicing the loan, billing, and collecting the amount due. This also includes working knowledge on collection policies and procedures, factors/components of the credit and collection policy, the analysis of credit information, and the role of credit agencies in the credit investigation. Topics In determining credit risk, credit instruments, and collateral security, types of consumer credit and credit cards are also discussed. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C501.*

FIN C508. Monetary Policy and Central Banking. This course is designed with two parts, the monetary system and central banking. It is designed to develop an understanding of how the economy and the financial system are being affected by different monetary policies. An overview of the importance of money, money creation, barter, payments, monetary standards, Philippine peso, demand, and supply of money is discussed. Central banking covers its development, importance, functions, operations, and also central banking outside the Philippines. Important parts of the New Central Bank act are also mentioned in the course. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C505.*

RES C401. Research I. The course covers the first part (Part I) of two parts on a comprehensive approach to scientific research, regarding the Statement of the Problem, Review of Literature, and the Methodology. This course deals with the research techniques crucial for good financial analysis, such as data search, interview methodologies, surveys, and rudimentary statistical analysis. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C502, FIN C504, FIN C505, FIN C506.*

RES C402. Research 2 (Thesis). The course covers the second part (Part II) of two parts on a comprehensive approach to scientific research, regarding the Presentation of the Data, Conclusions, and Recommendations. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C401.*

PRC C401. Practicum I. The course is designed for students who are in their senior year in college. Students are assigned in different institutions/establishments/companies or the like to accumulate the required number of hours of actual practice. The program aims to familiarize students with the business environment, gain insights and experiences on the actual job, integrate the theories/ principles and concepts learned with actualities in the business world. (Required Hours: 300 hours) *Credit: 3 units. Prerequisite: FIN C504, FIN C505, FIN C506, FIN C508.*

PRC C402. Practicum II. This course is a continuation of Practicum I to complete the required number of hours. (Required Hours: 300 hours) *Credit: 3 units. Prerequisite: FIN C504, FIN C505, FIN C506, FIN C508.*

MKT C201. Marketing Management. Tackles the critical role of marketing management in organizations and society; and comprehensively covers such topics as managing the market process, analyzing marketing opportunities, market segmentation and selecting target markets, designing marketing strategies (e.g., pricing and promotion, distribution and channel strategy, network marketing, and direct selling, etc.) planning marketing programs, and organizing, implementing, and controlling market effort. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

MKT C501. Professional Salesmanship. This course is a basic course dealing with the fundamentals of trust-based personal selling. Areas specifically studied include understanding the sales industry and selling occupations; promoting self-leadership, building trust, and conducting sales dialogue; prospecting, qualifying, communicating, and relationship building; buyer motivation; creating value; handling resistance; earning commitment; customer concerns; and sales management. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C201.*

MKT C502. Consumer Behavior. This course explores consumer behavior from determining consumer needs and wants, the process by which they are satisfied, and the environment in which the behavior occurs. The course also reviews a range of "levers" that can influence purchase behavior in unexpected ways and at an efficient cost. The course is organized around a model of human cognition rooted in sequential mental processing steps (e.g., awareness, interpretation, attitude, etc.) that intervene between the marketing mix (input) and purchase behavior (output). *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C201.*

MKT C503. Retail Management. This course introduces the student to the world of retailing from a managerial viewpoint. Topics discuss the elements that

comprise the retail mix, including types of retailers, multi-channel retailing, consumer buying behavior, retail marketing strategies, selecting retail site locations, supply chain management, merchandising, pricing, store management, store layout & design, and customer service. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C502.*

MKT C504. Distribution Management. This is an advanced course in Marketing, focusing on the management of channels of distribution. It focuses on the discussion of the theories, principles, systems, and practices that are related to the movement of goods and services from producing companies to final users. The course explains the processes of designing and managing distribution channels in industrial, consumer, and service markets. It examines the economic and behavioral problems emanating between producers and middlemen. It also studies the methods and techniques of the physical distribution of goods. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C201.*

MKT C505. Principles of Advertising. This course explores fundamentals of advertising, including client and agency relationships and organizational structure, targeting consumers, understanding consumer needs and motivations, identifying key consumer insights and benefits, setting advertising objectives, developing relevant messages and creative development, production, media planning, managing budgets and timelines, and measuring the effectiveness of advertising campaigns. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C502.*

MKT C506. Events, Publicity, and Public Relations. Covers the basic principles of the integrated marketing communications mix, which include events marketing, e.g., sponsorship, exhibits, and trade shows, publicity, broadcasting technique, and public relations, as they form parts of the total sales and marketing communications. It also treats analysis and evaluation of the marketing communication mix, vis a vis the target markets, setting objectives, determining strategy and tactics of the promotion mix. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C502.*

MKT C508. New Product and Brand Management. This course identifies the critical information needed to develop a product and brand strategy that generates both quick wins and long-term value. Topics discuss and expose the students to the contemporary challenges faced by a broad variety of firms in developing and launching new products, creating and maintaining brand equity, and managing products and product lines. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C505.*

RES C401. Research I. The course covers the first part (Part I) of two parts on a comprehensive approach to scientific research, regarding the Statement of the Problem, Review of Literature, and the Methodology. This course deals with the research techniques crucial for good marketing analysis, such as data search, interview methodologies, surveys, and rudimentary statistical analysis. *Credit: 3 units. Prerequisite: MKT C501, MKT C502, MKT C203, MKT C 504, MKT C505.*

RES C402. Research 2 (Thesis). The course covers the second part (Part II) of two parts on a comprehensive approach to scientific research, regarding the Presentation of the Data, Conclusions, and Recommendations. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C401.*

PRC C401. Practicum I. (300 hours) The course is designed for students who are in their senior year in college. Students are assigned to different institutions/establishments/companies or the like to accumulate a required number of hours of actual practice. The program aims to familiarize students with the business environment, gain insights and experiences on the actual job, and integrate the theories/principles and concepts learned with actualities in the business world. *Credit: 3 units. Prerequisite: MKT C501, MKT C502, MKT C503, MKT C505.*

PRC C402. Practicum 2. This course is a continuation of Practicum I to complete the required number of hours (300 hours). *Credit: 3 units. Prerequisite: MKT C501, MKT C502, MKT C503, MKT C504, MKT C505.*

DEPARTMENT OF MANAGEMENT AND SUPPLY MANAGEMENT

MGT C201. Business Organization and Management. The course will emphasize the comprehensive study of Management functions, theories, and practices relating to business organizations; and how the concepts of organizations were developed and changed globally. *Lecture: 3 units. Credit: 3 units. Prerequisite for the subsequent management courses.*

MGT C202. Operations Management (TQM) same as MGT C301.

MGT C204. Human Resource Management. The students are expected to know the theories and models of Human Resource Management. The course is geared towards developing interpersonal skills to improve productivity and morale in the organization by knowing the inner behavioral tools to motivate people to get things done in meeting organizational goals and standards. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201.*

MGT C206. Good Governance and Corporate Social Responsibility. This

course is intended to broaden our students' knowledge in creating abilities on governing organizations and proper management of responsibilities towards society assumed by business in maximizing its positive effects on society and minimizing its negative effects. The course is also intended to teach to our students the fundamental theories of Corporation, structuring, optimal portfolio selection, investment evaluation, securities valuation, stock market operations and analysis, and international portfolio diversification based on Top Management's ethical standards. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201.*

MGT C301. Operations Management (TQM). The course aims to render teachings on the philosophy of management driven by continual improvement and responding to customer needs and expectations. The course is based on the Quality Revolution experience and a departure from earlier management theories that were based on the belief that low costs were the only road to increased productivity. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201.*

MGT C302. Entrepreneurial Management. The course aims to teach the approach entrepreneurs to use in identifying an opportunity and creating new ventures; the analytical skills that are needed to practice this approach; business plan/proposal development; and the background knowledge and managerial skills that are necessary for dealing with the recurring issues involved in commencing, growing and harnessing the value of venturing. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT 201.*

MGT C303. Strategic Management. Same as MGT C401.

MGT C401. Strategic Management. The course aims to provide the students with an understanding of the corporate environment and the role of purchasing in the various types of organizations and cultures. It will help the student to analyze supply markets, appraise market segments, and provide information support. The course will also cover how to develop supply strategies based on material segmentation. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT C204, MGT C301, MGT C502.*

MGT C401. Strategic Management (for BSBA Marketing students only). This course examines the marketing management concepts underlying both consumer and industrial marketing strategies and tactics. Demanding customers, fast-change technologies, increasing global competition, deregulation, and social changes in global markets are just a few of the recent changes that create new challenges and opportunities for a wide range of businesses throughout the world. Strategic marketing focuses on the concepts and processes involved in developing market-driven strategies. The key challenges in formulating market-driven

strategies include (1) acquiring a shared understanding throughout the organization about the current market and how it may change in the future, (2) identifying opportunities for delivering superior value to customers, (3) positioning the organization and its offerings to meet the needs of its target markets best, and (4) developing a coordinated marketing program to deliver superior customer value. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C501, MKT C502, MKT C503, MKT C505.*

MGT C401. Strategic Management (for BSBA Economics students only). The course deals with the anti-competitive strategies that apply in all sectors of the economy and the protection of competition, and the application of anti-trust rules. The economic and legal framework will be examined, and case studies will be analyzed that deal with the abuse of dominant market power, collusion and concerted practices, mergers and acquisitions, and any anti-competitive behavior that violates competition law. Examples will be drawn from the Greek, European, and international markets. The course will be particularly useful to those who intend to be employed in large enterprises or banks that often violate competition law by applying anti-competitive strategies. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C304, ECO C306, ECO C308, ECO C314.*

MGT C401. Strategic Management (for BSBA Banking and Finance students only). This course examines the principle of adding value for shareholders through the selective restructuring of assets, liabilities, and capital in the corporate organization. The course uses a case study method of instruction to expose students to actual financial decision-making situations. In this way, students draw on knowledge gained in previous courses to analyze problems and strategic issues faced by the financial manager in the contemporary business environment. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C504, FIN C506, FIN C508.*

MGT C402. International Business and Trade. The students will capsulate their knowledge through material knowledge of international trade & its management on this course. International trade policies, restrictions, agreements, countertrade, tariffs, foreign exchange, and the balance of payments will be the course topics. The course equips our students with the fundamental knowledge to trade among nations in a global-based approach. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT C204.*

MGT C402. International Business and Trade (for BSBA Marketing students only). This course explores the development of international marketing programs from the determination of objectives and methods of the organization through the execution of research, advertising, distribution, and production activities. Students examine the international similarities and differences in marketing functions as related to the cultural, economic, political, social, and

physical dimensions of the environment. Students also consider the changes in marketing systems and the adoption of marketing philosophies and practices to fill conditions in different countries. *Lecture: 3 units. Credit: 3 units. Prerequisite: MKT C501, MKT C502, MKT C503, MKT C504, MKT C505.*

MGT C402. International Business and Trade (for BSBA Economics students only). This course is an analytical course in international trade and international finance. Students are introduced to the theories with which to understand international trade patterns, examine trade policies, analyze the determinants of exchange rates and financial crises, and address topical issues of international economic interdependence between countries. Topics include theories of international trade, multinational corporations, global production networks and supply-chain trade, international financial markets and capital mobility, exchange rate regimes, macroeconomic stabilization policies in the open-economy setting. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECO C303, ECO C308, ECO C310.*

MGT C402. International Business and Trade (for BSBA Banking and Finance students only). This course introduces international finance with a focus on the important role of modern multinational corporations in global commerce. It introduces students to the practical value of today's international finance. It offers a strong foundation in international finance theory with current practical applications. Specifically, it discusses issues in international trade and multinationals, the macro determinants of exchange rates markets, futures and options, parity conditions, and hedging, measuring, and managing accounting exposure. It also discusses international financing, capital budgeting; the cost of capital; transfer pricing, and asset management. *Lecture: 3 units. Credit: 3 units. Prerequisite: FIN C503, FIN C505.*

MGT C501. Environment and Business. The course is a thorough review of national and local policies on environmental and natural resources in the context of sustainable business development. The course will be highlighted by a series of lectures and examinations on conceptual topics as well as practical techniques on specific environmental and natural resource issues/concerns being considered in business. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201.*

MGT C502. Human Behavior in Organizations. This will introduce to the students the factors affecting the behavior of individuals and groups inside an organization based on practices and phenomena. Management approaches that study and identify management activities that promote employee effectiveness by examining the complex and dynamic nature of the individual, group, and organizational processes. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201.*

MGT C503. Change Management and Organizational Development. An enhancement Organizational Development course that will give students the general idea of what is involved in developing an organization to achieve its vision and mission, its philosophies, and culture to ensure its competitiveness in a globalized economy. It will focus on the management of organizational change/ interventions from a system perspective. The scope will cover topics on theories of organization development, design, structuring, training and development, performance management, culture, and change management. The students are expected to gain sufficient knowledge in appreciating the overall impact of the aforementioned activities to achieve the organization's objectives. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT C502.*

MGT C504. Production Management. This is an enhanced OM course that will tackle the nature, scope, functions, and importance of production/operations management in business. Theoretical discussions on productivity, competitiveness, forecasting, and production system design, resource assignment, capacity planning, facilities layout, scheduling, work-system designs, "just-in-time," and other systematic and quantitative approaches will be emphasized. Actual applications through Case analyses will also be used to illustrate basic production/operation concepts in business firms. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT C204, MGT C301.*

MGT C505. Project Management. Project management theory, terms, and concepts are introduced in this course. Students will discover the project life cycle and learn how to build a successful project from pre-implementation to completion. This course will introduce project management topics such as resources, costs, time constraints, and project scopes. Students will learn and apply basic project management concepts, including constraint, planning, scheduling, work breakdown structures, and project control. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201.*

MGT C506. Logistics Management. This course will provide knowledge to students about supply chain management and resource allocation. It will deal with domestic and international transportation, transportation economics, logistics system design, e-logistics, supply chain strategy, procurement, reserve logistics, information systems, and maximization of facility resources. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT C301.*

RES C401. Research 1. The course will introduce to students the basic principles governing the preparation of a Corporate Research study, scientific investigation, and the actual preparation of a Corporate Research study. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT C204, MGT C301, MGT C502.*

RES C402. Research 2 (Thesis). This course reviews and discusses the result and analysis of data based on questionnaires completed in the study to identify the difference between the present and previous researches. A summary of the research work is presented, and findings of the study are discussed and interpreted under the guidance of a faculty adviser. *Lecture: 3 units. Credit: 3 units. Prerequisite: MGT C201, MGT C204, MGT C301, MGT C502, RES C401.*

PRC C401. Practicum. (300 hours) The course is designed for students who are in their senior year in college. Students are assigned in different institutions/ establishments/companies or the like to accumulate a required number of hours of actual practice. The program aims to familiarize students with the business environment, gain insights and experiences on the actual job, integrate the theories/ principles and concepts learned with actualities in the business world. *Credit: 3 units. Prerequisite: MGT C201, MGT C204, MGT C301, MGT C502.*

PRC C402. Practicum. Same as PRC C401.(300 hours) *Credit: 3 units. Prerequisite: MGT C201, MGT C204, MGT C301, MGT C502, PRC C401.*

SCM C501. Introduction to Supply Chain Management. The course aims to define the various functions of supply chain management. The discussion will cover what the supply chain is, the goals of the supply chain, and the four pillars of supply management. It will cover the key functions of demand and replenishment, logistics operations, purchasing, and customer service. The course will allow the students to understand the inter-relationships of all the supply management functions as well as the application of strategies to optimize supply management performance. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

SCM C502. Inventory Management and Demand Forecasting. This course will provide the students with a basic understanding of inventory management and demand forecasting, its importance in the supply chain, and its financial impact on the organization. The students will learn and understand the main types of inventory replenishment systems and control of the physical aspects of inventories. It will also allow the students to learn the various forecasting techniques and how to generate a sales forecast. Topics will include types and functions of inventories, objectives of inventory management, accounting valuation of inventories, cost of inventories, and inventory management responsibilities. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501.*

SCM C503. Fundamentals of Purchasing. This course will cover the Purchasing's roles and responsibilities. Students will learn Purchasing's key objectives, Purchasing policies, organization, and processes. The course will allow the students to understand the importance of purchasing in the business and its roles

in a business enterprise, as well as the core functions of purchasing to include vendor sourcing, purchasing negotiation, and determination of the right price. It will also cover the purchasing functions and processes. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

SCM C504. Negotiation in Supply Management. Negotiation is a key competency requirement for the supply management practitioner. The course will teach the student how to prepare for and conduct negotiation in a professional manner. It will help the student understand how to set realistic and achievable negotiation objectives and targets and to develop negotiation strategies. Courses covered include the definition of negotiation and why it is important, negotiation objectives and strategies, pricing theory and practices, stages of the negotiation process, techniques for negotiation, and the characteristics of a successful negotiator. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501.*

SCM C505. Introduction to Customer Service and Logistics Operations. The course is an introduction to Customer Service and Logistics Operations providing the students with an understanding of the role of customer service and logistics operations in the organization. It will provide basic knowledge and skills in warehousing, transportation, and distribution and learn about the basic customer service concepts and its emerging role in the supply management functions. Topics will include customer expectations, customer service objectives, order management, the introduction of warehousing, materials handling, record keeping, and communication, as well as performance measurement. It will also provide a basic understanding of the various modes of transportation and basic considerations in selecting the appropriate mode of transportation for distribution. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

SCM C506. Fundamentals of Warehousing. The course will cover the various aspects of warehouse operations to include warehousing systems, record keeping, and stock control. The course aims to provide students with knowledge of stock control, safety, and security in the warehouse. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501.*

SCM C507. Storage Systems and Materials Handling. This is a laboratory course on storage systems and materials handling. The course will allow the student to understand the various storage systems available and its application in the industry. Students will undergo off-site exposure to warehouse operations and give them experience in handling stocks in the warehouse. The course includes materials handling operations techniques as well as safety issues. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501, SCM C505, SCM C506.*

SCM C508. Cold Chain. This course is an introduction to the cold chain industry. It will cover the basic concepts of supply from the cold chain perspective, specifically focusing on the temperature, risk, and qualification requirements of the sensitive supply chain. To provide the students with the basic concepts of the cold chain. At the end of the semester, the students should have an understanding of what the cold chain is and its importance in the industry, especially on documentation and procedures, with compliance with global requirements. *Lecture: 3 units. Credit 3 units. Prerequisite: SCM C501, SCM C502, SCM C507.*

SCM C509. Financial Management for Supply Management Practitioners. The course should be able to define the various financial tools and techniques relative to the purchasing and supply management function. The student should be able to learn how to read and analyze financial statements and reports, which will enable them to evaluate the supplier's financial health effectively. The course includes topics such as the scope of Financial Management and basic financial metrics. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501, SCM C502, SCM C503, SCM C505.*

SCM C510. Legal Aspects of Purchasing and Distribution, Ethics, and Contract. The course outlines the buyer's and supplier's obligations and describes the overall context under which a contract is prepared and managed. It explains how the contract fits into the purchasing and supply process. Topics include types of contracts and applicable clauses, applicable laws and common laws background, contract preparation, types of risks and applicable incoterms, contract default and how to avoid it, settling disputes and termination of contracts, contract administration, and review. It will also cover measuring and controlling performance. The course will include discussions on the ethical dilemma in Purchasing. It includes topics on standards of buying and selling, conflict of interest, and development of Ethics Policy and Guidelines. Adoption of the ISM and PISM Codes of Ethics in the Purchasing Practice. *Lecture: 3 units. Credit: 3 units. Prerequisite: LAW C201, SCM C501, SCM C503, SCM C505.*

SCM C511. Procurement and Sourcing Strategies, including Global Sourcing. Types of sourcing strategies will be discussed in this course to include the nature of sources, degree of competition, and locating sources of supply. Local sourcing vs. foreign outsourcing, decisions to "make or buy," or decision to "lease or buy" equipment is part of the course outline. This course will include supplier evaluation and selection under the following topics: supplier accreditation process, developing basic model for assessing suppliers, determining and weighing criteria for "appraising's supplier capabilities, methods of rating suppliers and maintaining and managing supplier database. The course will also examine the operational requirements of purchasing and logistics in the international market. The course

will include the opportunities and complexities of sourcing from other countries. It explains the most important aspects associated with global sourcing and logistics management as it relates to importation, selection of freight providers, choice of logistic equipment and packaging, evaluating performance, and cost optimization. It also includes basic import requirements and procedures as well as those of exports. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501, SCM C503, SCM C504, SCM C505, SCM C506.*

SCM C512. Customer Service Priorities and Strategies. The course will help the students in setting customer service priorities and service standards. The course will also show how customer service can contribute to the overall business as well as understand how to establish customer service strategies. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501, SCM C502, SCM C505.*

SCM C513. Transportation and Distribution Operations. The course will cover topics on how to optimize logistics performance levels, evaluate opportunities to reduce cost and minimize errors, and achieve international standards in logistics operations. It will include discussion on the need for logistics support infrastructures, inbound and outbound transportation operations, distribution systems and operations, logistics equipment and packaging, and evaluating the performance of the logistics function. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501, SCM C502, SCM C505, SCM C506.*

SCM C514. Advanced Warehousing and Distribution Practices. The course is designed to provide the students with knowledge in warehouse planning and operations. The course will cover topics such as warehouse space planning and lay-outing, improved packaging, handling and delivery, warehouse management systems, barcoding, and other electronic data processes, issues on liability, claims, and insurance, as well as warehouse audits and performance measurements. It will also cover distribution strategies and practices. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501, SCM C505, SCM C506, SCM C513.*

SCM C516. Demand Management and Production Management. The course will cover the analysis of the forecast and match it with the available resources. It will teach the student to translate the demand into a Production Plan to support the business requirements. It will also include discussions on the preparation of the Master Production Schedule (MPS) as well as the use of Capacity Planning and Materials Requirements Planning to support the MPS. *Lecture: 3 units. Credit: 3 units. Prerequisite: SCM C501, SCM C502, SCM C507.*

RES C401. Research 1. The course will introduce to students the basic principles governing the preparation of a Research study, scientific investigation, and the actual preparation of the Supply Management Research Study. *Lecture: 3*

units. Credit: 3 units. Prerequisite: SCM C501, SCM C503, SCM C506, SCM C507, SCM C508, SCM C513, MGT C201, MGT C204, MGT C301.

RES C402. Research 2 (Thesis). As a sequel to the Research course for Supply Management, the student is expected to come up with a scholarly research endeavor. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C401.*

PRC C401. Practicum 1. (300 hours) Complete the required number of hours of on-the-job training on warehousing. Projects to develop skills in warehouse operations or inventory control management will be graded. *Credit: 3 units. Prerequisite: MGT C201, MGT C204, MGT C301.*

PRC C402: Practicum 2. (300 hours) Complete the required number of hours OJT (one semester) in any area of supply management. This will allow the student to be exposed to the real work-life environment and provide an opportunity to gain professional experience expectations and explore working situations commonly encountered in the area of supply management. *Credit: 3 units. Prerequisite: PRC C401.*

CRIMINAL JUSTICE EDUCATION

DEPARTMENT OF CRIMINOLOGY

CRI C101. Introduction to Criminology. This course provides a basic understanding of a theory, its development, and application to the etiology of crime, its use to understanding human, criminal, and deviant behaviors. It includes the historical evolution of criminology, the different schools of thought, the process of measuring crime as it relates to criminological research, the divisions and the scope of criminology, and the justice system. This course also Introduces criminology as a profession in the Philippines. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

CRI C102. Introduction to Philippine Criminal Justice System. This course deals with the study of formal and informal components of the criminal justice system of the Philippines. It covers the respective mandates, processes, and interrelations in the administration of criminal justice. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

CRI C105. Professional Conduct and Ethical Standards. The course emphasizes a humanity-oriented discipline intended to develop an understanding of the norms of appropriate action in public safety and stand on the basic issues, including the legal and moral duties of public safety officers towards the

community, based on Presidential Decree No. 62. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

CRI C106. Industrial Security Concept. The course covers the study of the concepts and principles of industrial security, the processes in the management, administration, and operation of the security agency. It includes the role of security profession in law enforcement, crime prevention, public safety, investigation and detective skills, criminalistics and preservation of crime scene, crime detection, and the principles applicable to the jurisprudence of criminal law and evidence, in relation to the legal context of industrial security and related laws. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C101.*

CRI C108. Theories of Crime Causation. This course captures the theoretical perspective of crime causation committed by individuals and institutions. It provides a wide array of theories from all dimensions and aspects of the person, the society, and the institutions such as political, economic, environmental, social, psychological, and biological, women offenders, biopsychosocial, and life course. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C101.*

CRI C201. Criminal Law 1. The course covers the study of the general provisions of the Revised Penal Code, Special Crime Statutes of the Philippines, Presidential Decrees, and Letters of Instructions and cases relative thereto. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C101, CRI C102.*

CRI C202. Criminal Law 2. The course covers thorough analyses on elements of crimes under different titles and its amendments and applicability in the administration of justice with an emphasis on recent principles of law, jurisprudence, and special laws while recognizing the fundamental rights of a person as provided in the Constitution, Revised Penal and other relevant statutes. *Lecture: 4 units. Credit: 4 units. Prerequisite: CRI C201.*

CRI C203. Juvenile Delinquency and Juvenile Justice System. The course deals with the etiology of delinquent and criminal behavior and the factors that bring about juvenile delinquency; prevention and control of teenage crime and manner of combating it; the influence of community institutions on delinquency; organization of civic and government councils for the prevention of juvenile delinquency; establishment of recreation and character-building agencies; counseling and guidance clinics for juveniles and police control bureaus; study of juvenile courts; probation service and correctional institutions; study of social welfare agencies and laws applicable. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C102.*

CRI C204. Human Behavior and Victimology. This course is designed to teach criminology students why humans act the way they do; address the four common types of motivation to include the impact of other people, the environment, neuropsychological factors, and individual personality.
It also covers the examination of the relationship between the offender and victim, behavior and attitude of family, society, and the CJS towards the victim. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C101.*

CRI C206. Forensic Photography. The course deals with the study of the history of photography, technical photography, and forensic photography. It also covers the study of the advanced photosystem and its application to police work. The laboratory is required. *Lecture 2 units, Lab 1 unit. Credit: 3 units. Prerequisite: None.*

CRI C207. Personal Identification Techniques. The course covers the fundamental study of ancient and modern methods of personal identification with emphasis on dactyloscopy which embraces with emphasis on fingerprint patterns and ridge characteristics; the scientific method of recognition, development, and preservation of latent prints; and the recording and classifying of fingerprints that include the Henry system and the FBI extension. *Lecture 2 units, Lab 1 unit Credit: 3 units. Prerequisite: CRI C101.*

CRI C208. Technical English 2 (Legal Forms). This course provides students training in investigative report writing, including the structure and format of making reports and feasibility studies. It covers the fundamentals and styles of report writing; form and content of police reports, including legal forms, technique sequences of blotter entries, preparation of arrest and crime reports; fundamentals of records management and the Decimal System of reports and document filing; study of Uniform Crime Reports and care and custody system of confidential files; criminal statistics and wanted forms; the follow-up control system and the use of electronic processing. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C209.*

CRI C209. Technical English 1 (Investigative Report Writing and Presentation). This course centers on the different types and purposes of technical reports in criminology and the use of appropriate terms and phraseologies to meet the needs of readers. Spelling, capitalization, mechanics, and techniques of writing reports of cases are investigated, both forms and content. It includes the application of principles appropriate report writing: brevity, clarity, completeness, and accuracy of facts and presentation according to prescribed format and style. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C101.*

CRI C210. Forensic Chemistry and Toxicology. The course deals with the application of chemistry in the identification of physical evidence. It includes collection, preservation, examination, and study of blood, semen, and other body fluids for DNA, gunpowder and explosives, hair and textile fibers, chemical aspects of document examinations, problems of glass fragments and glass fractures moulage, metallurgy, petrography, as applied to crime investigation, the study of nature, physiological action, chemical and physical properties, dosage, and treatment and detection of poisons. *Lecture 3 units, Lab 2 units. Credit: 5 units. Prerequisite: NONE.*

CRI C212. Law Enforcement Operations and Planning with Crime Mapping. This course focuses on the general guidelines and procedures on police operations that every police officer must perform and abide by. It includes legal procedures in Search & Seizures, Raids, Arrest, and Checkpoints. It also concentrates on Police Operational Planning with special procedures in police interventions during disaster and critical emergencies. This course covers crime assessment and crime rates as a tool in drawing crime prevention and solutions. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C219.*

CRI C214. Therapeutic Modalities. This course deals with leading theories and research in the area of how police work helps others using various interventions, policies, and programs to prevent and treat various crimes and delinquencies in the environment. Topics covered will include theoretical applications, development of prevention and therapeutic modalities, methods in treating crime, and delinquencies in the community. This includes creating a preventive and therapeutic environment as a means to combat crime and delinquency, as well as evaluation of programs or modalities applied. *Lecture: 2 units. Credit: 2 units. Prerequisite: None.*

CRI C217. Fundamentals of Criminal Investigation and Intelligence. This course shall cover the basic principles in law and evidence, tools of the criminal investigation, crime scene reconstruction and investigation, the legal process of warrantless arrest, detention, search and seizure, interview, and interrogation. It includes the entire dimension of intelligence, the use of instruments in aid of investigation, the ethical requirements of the criminal investigation, the development and making of investigative reports of police and the prosecutors in the finding of probable cause, and the digital investigation and evidence. *Lecture: 4 units. Credit: 4 units. Prerequisite: None.*

CRI C219. Law Enforcement Organization and Administration. This course deals with the processes in the organization, administration, and management of law enforcement organizations, with emphasis on leadership,

planning, decision-making, and conflict resolution. It would further deal with policing theories, law enforcement techniques, law enforcement operations, crime prevention, and community relations. It will tackle the organization and functions of the different law enforcement agencies in relation to criminal justice. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C101.*

CRI C301. Traffic Management and Accident Investigation with Driving. The course covers the fundamentals of traffic safety, education, enforcement, engineering, techniques in vehicular and pedestrian direction and control, techniques in point and inter-sectional vehicle-volume determination for emergency and priority control; study of different traffic decrees, codes in national and local levels; techniques in the preparation of selective enforcement plans and policies for special and emergency traffic situations; methods and procedures in the use of hand and signal lights; techniques in accident investigation; determination of reaction-time and brake-in time and application of scientific aids in hit-and-run cases. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C217.*

CRI C302. Vice and Drug Education and Control. This course deals with the study of the various vices with emphasis on Drug Abuse Prevention and Education Program of the government that includes recognition, nature, the extent of drug problems; causes and influence of drug abuse; origin, identification, and classification of commonly abused drugs, prohibited and regulated drugs and symptoms of drug abuse. It also covers preventive drug abuse education and information programs in schools and communities, and treatment and rehabilitation programs for drug dependents, and Comprehensive Drugs Law. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C217.*

CRI C303. Forensic Ballistics. The course is a scientific study of firearm identification with the use of laboratory examinations. It emphasizes the study of ammunition, projectiles, gunpowder, primer, and explosives, including the use of the bullet comparison microscope. It also deals with the principles in the microscopic and macroscopic examination of firearm evidence and the preparation of reports for legal proceedings in the solution of cases involving firearms. *Lecture: 2 units, Lab: 1 unit. Credit: 3 units. Prerequisite: None.*

CRI C304. Introduction to Cybercrime and Environmental Laws and Protection. This course explores the technical, legal, and social issues that cover offenses where the computer is the target crime and a tool used in crime commission. This course also emphasizes the laws about conservation, preservation, and protection of the environment. *Lecture: 2 units. Lab: 1 unit. Credit: 3 units. Prerequisite: CRI C311.*

CRI C305. Questioned Documents Examination. The course covers the scientific methods of questioning documents, handwriting examination, detection of forgery; falsification and counterfeiting of documents which stress the procedures of restoring and deciphering erasures and obliteration; examination of documents by means of visible light, ultra-violet and Ultra-red radiation, and colored powders, recognition and selection of standards; and examination of questionable typewriting, computerized documents and other forms of modern printing. *Lecture: 2 units, Lab: 1 unit. Credit: 3 units. Prerequisite: None*.

CRI C306. Lie Detection Techniques. The course is a study of lie detection and interrogation and other conventional methods of detecting deception. It also includes the study of the basic concepts and phases of polygraphy. *Lecture: 2 units, Lab: 1 unit. Credit: 3 units. Prerequisite: CRI C217*.

CRI C307. Institutional Corrections. The course covers an examination of the history, philosophy, and objectives of imprisonment and the development of prisons. It studies institutional agencies in the Philippines to include BJMP, which oversees city and municipal jails, provincial jails, and the Bureau of Corrections and their institutions in terms of their structures, management, standards, programs, and services. It also includes a critical analysis of the laws creating these agencies to agencies to determine areas for possible improvement. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C101, CRI C102*.

CRI C308. Non-Institutional Corrections. The course focuses on Presidential Decree 968, otherwise known as the Probation Law of 1976 as amended, establishing a probation system in the Philippines, its historical background, philosophy, concepts, and operation as a new correctional system, investigation, selection, and condition of probation, the distinction between incarceration, parole, probation and other forms of executive clemency, total involvement of probation in the administration of criminal justice. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C307*.

CRI C309. Character Formation, and Nationalism and Patriotism. This course is focused on the individual's values formation and character development of criminology students and to conform to the core values, customs, and traditions of the

PNP as indispensable actuation of uniformed personnel and display loyalty to the Philippine Constitution. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

CRI C311. Specialized Crime Investigation 1 w/ Legal Medicine. This course is a study of modern techniques in the investigation of crimes penalized under special laws. It also includes the study of the medico-legal aspects of physical injuries, death, and crimes. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C217.*

CRI C312. Specialized Crime Investigation 2 with Simulation in Interview and Interrogation. The course deals with the study and application of standard procedures of crime scene processing. This also focuses on the study and application of techniques and legal procedures of conducting an interview and interrogation of persons suspected of committing an offense. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C217.*

CRI C314. Character Formation with Leadership, Decision-Making, Management, and Administration. This course is designed to mold criminology students into a high degree of leadership in all aspects of life, as the police are stemmed with ranks and positions, every level of authority has the equivalent of authority to decide based on their wise use of judgment not compromising the legitimacy of the law. It also covers the organization and management of personnel and equipment and the proper utilization of resources. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

CRI C316. Dispute Resolutions and Crises/Incidents Management. This course deals with the general functions of police in the maintenance of Peace and Order and the protection of life and property. This includes Civil Disturbance Management during hostage-taking, strikes, lock-outs, riots, demonstrations, and other serious violations of the law. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

CRI C318. Human Rights Education. This course deals with the study of Human Rights, its history, concepts, and principles. It covers the study of the International Declaration on Human Rights, the Bill of Rights, Statutory Human Rights, and relevant jurisprudence on human rights. *Credit: 3 units. Prerequisite: None.*

CRI C401. Comparative Models in Policing. The course focuses on the comparison of selected police models and their relations with INTERPOL and UN agencies in the campaign against transnational crimes and the promotion of world peace. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C219.*

CRI C402. On-The-Job-Training. This course is designed for students who are in their senior year in college, where they were assigned in the various law enforcement agencies, especially the tri-bureau, namely: the Philippine National

Police (PNP), Bureau of Jail Management and Penology (BJMP), and Bureau of Fire and Protection Service (BFP) to accumulate the required number of hours of internship. The program aims to expose the students to public safety services, and gain insights and experiences on actual law enforcement work that will prepare them for their future jobs and careers in their chosen fields of expertise. This course also provides students with the opportunity to understand the economic, social, and cultural reality of the community. It is centered on students getting in touch with themselves as they interact and relate with individuals, groups, and families in selected nearby communities. *Lecture: 3 units. Credit: 3 units. Prerequisite: All Criminology Professional Courses from 1st year to 4th year.*

CRI C403. Fire Protection and Arson Investigation. The course deals with the study of the principles of fire protection and the chemistry of fire. It also includes fire investigation and the role of firefighters during fire suppression and investigation, and the law on arson, including arson investigation. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C217, CRI C311.*

CRI C404. Integrated Course in Criminology 2. This is the continuation of the first integrated course taken by criminology students during the first semester of their senior year. The courses involve criminal sociology, crime detection, and correctional administration. *Lecture: 3 units. Credit: 3 units. Prerequisite: All Criminology Professional Courses from 1st year to 4th year 1st semester.*

CRI C407. Evidence. This covers the study of evidence, its rules of presentation, admissibility, weight, and sufficiency of the evidence, including the burden of proof and presumptions; it includes electronic and DNA evidence, and other relevant and related issuances of the Supreme Court as so provided in the Rules of Court. *Lecture: 3 units. Credit: 3 units. Prerequisite: CRI C201, CRI C202.*

CRI C409. Criminal Procedure and Court Testimony. The course deals with the legal requirements in the prosecution of offenses through the revised criminal procedures in the administration of justice with appropriate jurisdictions of different courts. This course also concentrates on the procedures on the presentation of evidence and examination of the testimonies of the witnesses during the court trial. *Lecture: 3 units. Credit: 3 units. Prerequisite:* CRIC201, CRI C202 and CRI C407

CRI C411. Integrated Course in Criminology 1. This course recaps what the students had learned from their professional courses since the first year up to the fourth year through review classes. The courses to be reviewed are Criminal Laws and Jurisprudence, Criminalistics, and Law Enforcement Administrations. *Lecture: 3 units. Credit: 3 units. Prerequisite: All Criminology Professional Courses from 1st year to 3rd year simultaneously with ongoing 4th year 1st semester course.*

RES C401. Research 1. This course covers chapter 1, 2, and 3 of research that should provide students with basic knowledge and skills in designing an instrument for a qualitative study, utilizing either descriptive or inferential data. Emphasis will be developing a research methodology in the completion of a draft of chapter 3. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

RES C402. Research 2 (Thesis). This course reviews and discusses the result and analysis of data based on questionnaires completed in the study to identify the difference between the present and previous research. A summary of the research work is presented, and the findings of the study are discussed and interpreted under the guidance of a faculty adviser. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C401*.

COMPUTER STUDIES AND ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

EGR C101. Computer-Aided Drafting. Concepts of computer-aided drafting (CAD); introduction to the CAD environment; terminologies; and the general operating procedures and techniques in entering and executing basic CAD commands. *Laboratory: 1 unit. Credit: 1 unit. Prerequisite: BSCPE - MAT C602, NSC C104; BSECE - None*.

EGR C103. Engineering Data and Analysis. This course is designed for undergraduate engineering students with an emphasis on problem-solving related to societal issues that engineers and scientists are called upon to solve. It introduces different methods of data collection and the suitability of using a particular method for a given situation. The relationship of probability to statistics is also discussed, providing students with the tools they need to understand how "chance" plays a role in statistical analysis. Probability distributions of random variables and their uses are also considered, along with a discussion of linear functions of random variables within the context of their application to data analysis and inference. The course also includes estimation techniques for unknown parameters; and hypothesis testing used in making inferences from the sample to population, inference for regression parameters, and build models for estimating means and predicting future values of key variables under study. Finally, statistically-based experimental design techniques and analysis of outcomes of experiments are discussed with the aid of statistical software. *Lecture: 3 units. Credit: 3 units. Prerequisite: BSCPE - MAT C601 (STEM), EGR C105 (NON-STEM); BSECE - NONE*.

EGR C105. Mathematics for Engineering. This serves as a bridging course for courses missed by non-STEM freshmen. The course emphasizes the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include fundamental concepts of Algebra, functions, and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, topics in trigonometry, systems of equations and inequalities, matrices and determinants, conic sections and analytic geometry, sequences, induction, probability, and an introduction to Calculus. *Lecture: 5 units. Credit: 5 units. Prerequisite: None (Non-STEM Track).*

EGR C106. Mathematics for Engineering 1. This course provides a comprehensive foundation in mathematics tailored for engineering students. It encompasses three primary areas: basic mathematics, algebra, and advanced algebra. Each section is designed to equip students with the mathematical tools and techniques essential for solving engineering problems. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: None.*

EGR C107. Mathematics for Engineering 2. This course is a continuation of the foundational mathematics necessary for engineering students, focusing on three key areas: trigonometry, solid mensuration, and analytic geometry. Each section aims to deepen students' understanding of mathematical concepts and enhance their ability to apply these concepts in engineering contexts. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: None.*

EGR C201. Differential Equations. This course is intended for all engineering students to have a firm foundation on differential equations in preparation for their degree-specific advanced mathematics courses. It covers first-order differential equations, nth order linear differential equations, and systems of first-order linear differential equations. It also introduces the concept of Laplace Transforms in solving differential equations. The students are expected to be able to recognize different kinds of differential equations, determine the existence and uniqueness of the solution, select the appropriate methods of solution, and interpret the obtained solution. Students are also expected to relate differential equations to various practical engineering and scientific problems as well as employ computer technology in solving and verifying solutions. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C602.*

EGR C203. Engineering Economics. This course deals with the study of concepts of the time value of money and equivalence, basic economic study methods; decisions under certainty; decisions recognizing risk; and decisions admitting uncertainty. *Lecture: 3 units. Credit: 3 units. Prerequisite: BSCPE - MAT C602, NSC C104; BSECE - EGR C103.*

EGR C204. Technopreneurship 101. This introductory course provides learning on the fundamental concepts and processes related to starting and managing technology-based new ventures. It encourages the students to develop entrepreneurial mindset, creating thinking to drive innovative ideas of technology-based solutions that solve local and global needs. Students will have a clear understanding of how to evaluate market opportunities, develop a business model, raise capital, design and develop a minimum viable product as an entrepreneurial venture for startups or R&D product that industry currently caters. During the course, students will develop their own business plan and can exhibit their solutions to potential stakeholders. *Lecture: 3 units. Credit: 3 units. Prerequisite: BSCPE - CPE C307, CPE C206; BSECE - ECE C405.*

EGR C205. Circuits 1. This course introduces the fundamental concepts, circuit laws, theorems, and techniques used in electrical circuit analysis and transient analysis, as well as its application. The course covers circuit topologies and DC excitations, transient response, AC response, and polyphase circuits. The use of computer software for circuit simulation and design is emphasized to expose students to computer-based tools. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: BSCPE - NSC C104; BSECE – ECE C104.*

EGR C206. Circuit 2. Complex algebra and phasors; simple AC circuits, impedance, and admittance; mesh and node analysis for AC circuits; AC network theorems; power in AC circuits; resonance; three-phase circuits; transformers; two-port network parameters and transfer function. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: EGR C205.*

EGR C302. Methods of Research. This course will provide an in-depth understanding of research through the exploration of different research methodologies and ethics. It includes qualitative and quantitative research, descriptive and other applicable research methodologies, inferential statistics, and introduction to data mining. *Lecture: 3 units. Credit: 3 units. Prerequisite: CPE C306, EGR C103, ENG C102.*

CPE C101. Computer Engineering as a Discipline. This course discusses the curriculum for Computer Engineering and how to prepare students for success through the engineering design process, ethical decision-making, teamwork, and communicating to diverse audiences. *Lecture: 1 unit. Credit: 1 unit. Prerequisite: NONE.*

CPE C102. Object-Oriented Programming for CPE. This course introduces the fundamental concepts of programming from an object-oriented perspective. Topics are drawn from classes and objects, abstraction, encapsulation, data types, calling methods and passing parameters, decisions, loops, arrays and

collections, documentation, testing and debugging, exceptions, design issues, inheritance, and polymorphic variables and methods. The course emphasizes modern software engineering and design principles. *Laboratory: 2 units. Credit: 2 units. Prerequisite: CPE C103.*

CPE C103. Programming Logic and Design. This is an introductory course in computer programming logic. The student will learn algorithms applicable to all programming languages, including identifiers, data types, arrays, control structures, modular programming, generating reports, and computer memory concepts. The student will learn to use charts commonly used in business and information processing. Program logic will be developed using flowcharts and pseudocode. Programs will be written using any programming language. *Laboratory: 2 units. Credit: 2 units. Prerequisite: NONE.*

CPE C201. Data Structures and Algorithms. Solving computational problems that involve manipulating collections of data, study a core set of data abstractions, data structures, and algorithms that provide a foundation for writing efficient programs. *Laboratory: 2 units. Credit: 2 units. Prerequisite: CPE C102.*

CPE C202. Software Design. The course discusses the principles, techniques, and tools used to effect the orderly production of medium and large scale computer software. It includes problem-solving concepts, software development process, software requirements, and specifications, verification, and validation. These techniques will be applied to programming projects with students working in teams and managing all phases of programming projects using Python as the development tool. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units Prerequisite: CPE C201.*

CPE C203. Computer Engineering Drafting and Design. This course focuses on the principles of the layout of electrical, electronic, and logic drawings, stressing modern representation used for block diagrams, wiring/assembly, drawings, printed circuit board layouts, and etching. *Laboratory: 1 unit. Credit: 1 unit. Prerequisite: ECE C203.*

CPE C204. Computer Systems and Troubleshooting. This course will provide an introduction to microcomputer system hardware, operating systems, and application software. Installation of basic Local Area Network (LAN) is also included. It covers topics on microcomputer installation, servicing, and troubleshooting techniques. Concepts are learned through extensive hands-on activities. The proper use and care of tools and equipment are emphasized in this course. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EGR C205.*

CPE C205. Fundamentals of Mixed Signals and Sensors. This course covers operational amplifiers, signal converters, power-switching devices, and the construction and operation of sensors and transducers for converting physical parameters into electrical signals and vice-versa. The course focuses on the application of these devices in developing signal conversion circuits that allow measurement, processing, and control of physical parameters by digital processing systems such as a finite state machine or a digital computer. Topics on actuators are also included. *Lecture: 3 units. C redit: 3 units. Prerequisite: ECE C203*.

CPE C206. Feedback and Control Systems. The course includes the control devices, equations of a system, and block diagrams of systems. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C603, EGR C205*.

CPE C301. Logic Circuits and Design. The course includes the design and analysis of digital circuits. This course covers both combinational (synchronous and asynchronous) logic circuits with emphasis on solving digital problems using hardwired structures of the complexity of medium and large-scale integration. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C203*.

CPE C302. Computer Networks and Security. The course includes the basic principles of network architecture, computer network design, services, technologies, and network security. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: CPE C303*.

CPE C303. Data and Digital Communications. This course focuses on the fundamental concepts of digital and data communications. It also includes topics on data security and integrity. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECE C203*.

CPE C304. Basic Occupational Health and Safety. This course tackles key Occupational Health and Safety (OSH) concepts, principles, and practices that are foundational knowledge requirements applicable in almost all industries. Specifically, it assists learners in identifying the key elements in the OSH situation both here and abroad; determine existing and potential safety and health hazards; identify the range of control measures; discuss pertinent provisions of Philippine laws that refer to occupational safety and health; explain key principles in effectively communicating OSH; identify components of effective OSH programs and demonstrate some skills in identifying hazards and corresponding control measures at the workplace. *Lecture: 3 units. Credit: 3 units. Prerequisite: CPE C307, CPE C206*.

CPE C305. Digital Signal Processing. The course includes the need for and tradeoffs made when sampling and quantizing a signal; linear, time-invariant system properties; frequency as an analysis domain complementary to time; and

filter design. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: CPE C206.*

CPE C306. Microprocessors. This course provides an understanding of the architecture of microprocessor-based systems, registers, study of microprocessor operation, assembly language, arithmetic operations, and interfacing. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: CPE C301.*

CPE C307. Cognate/Track Course 1. Advanced Database Management (Software Development Tack). This advanced course explores database management systems and associated technologies, the management of database systems, and the data modeling options facilitating the storage and use of data. An investigation into the theories that govern the design of database systems is combined with an analysis of advanced concepts through investigation and subsequent practical implementation and critical evaluation. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ECE C203, CPE C315, MAT C603.*

CPE C307. Cognate/Track Course 1. Network and System Administration (System and Network Administration Track). This course explores the basic operation and management of local and wide area networks using the network operating system (NOS). Topics include installation of server and work-station software, physical network configuration, network security, policy, domain controllers, performance monitoring, and troubleshooting techniques. NOS features, ease of management, utilities, upgrades, and interoperability with other NOSs and client types are analyzed. *Lecture: 2 units. Laboratory: 1 unit.Credit: 3 units. Prerequisite: ECE C203, CPE C315, MAT C603.*

CPE C307. Cognate/Track Course 1. Online Technology. This course presents the Internet from a dynamic workplace perspective (Information Technology Track). It reflects on how emerging technologies will empower society to do more with the Internet. This course covers core Internet technologies, Web page design and authoring, computational thinking, networking fundamentals, and technology planning. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ECE C203, CPE C315, MAT C603.*

CPE C308. Cognate/Track Course 2. Application Development (Software Development Tack). This course will introduce students to developing applications that target web and mobile devices. Students will be introduced to many issues unique to web and mobile applications, including synchronization, remote data access, and security. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: Cognate/Track Course 1.*

CPE C308. Cognate/Track Course 2. Network Security (System and Network Administration Track). This course introduces students to network security. By examining case studies and reading seminal research papers, students will learn about network attacks and vulnerabilities as well as current defenses. Topics covered include cryptography, confidentiality, authentication protocols, botnets, firewalls, intrusion detection systems, and communication privacy and anonymity. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: Cognate/Track Course 1.*

CPE C308. Cognate/Track Course 2. Management and Information System (Information Technology Track). This course will focus on what MIS is, how they influence your current or prospective jobs, why they impose specific - and sometimes seemingly absurd - operational procedures, and how to use this knowledge to your advantage in your professional life. This MIS course will cover supporting tech infrastructures (Cloud, Databases, Big Data), the MIS development/ procurement process, and the main integrated systems. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: Cognate/Track Course 1.*

CPE C309. Introduction to HDL. A laboratory course that introduces hardware description language as a tool for designing and testing combinational and sequential circuits. It covers fundamental concepts of HDL and the basic building blocks of HDL programming. *Laboratory: 1 unit. Credit: 1 unit. Prerequisite: CPE C103, ECE C203.*

CPE C310. CpE Laws and Professional Practice. This course provides the importance of the professional and ethical responsibilities of practicing computer engineers and the effects of their work on society, the importance of understanding contemporary issues, lifelong learning strategies, and applicable IT laws in the field of computer engineering. *Lecture: 2 units. Credit: 2 units. Prerequisite: ECE C203, CPE C315, MAT C603.*

CPE C311. Operating Systems. This course includes different policies and strategies used by an operating system. Topics include operating systems structures, process management, and storage management, file management, and distributed systems. *Lecture: 3 units. Credit: 3 units. Prerequisite: CPE C201.*

CPE C312. Embedded Systems. This course provides advanced topics in embedded systems design using contemporary practice, interrupt-driven, reactive, real-time, object-oriented, and distributed client/server embedded systems. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: CPE C306.*

CPE C313. Artificial intelligence, 1. This course provides introductory concepts of Artificial Intelligence. It exposes students to the basic ideas, challenges, techniques, and problems in artificial intelligence. It will cover the history, theory and computational methods of artificial intelligence. Basic Concepts include representation of knowledge and computational methods for reasoning. One or two application areas will be studied, to be selected from expert systems, robotics, computer vision, natural language understanding, and planning. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: MAT C202, CPE C315, CPE C301.*

CPE C314. Artificial intelligence 2. This course is the second part of a course series in Artificial Intelligence. It will cover more topics on intelligent systems in AI, machine learning algorithms for supervised and unsupervised learning, neural networks and natural language processing. Students will be required to work on real-world problems and proposed potential solutions applying to any of the domains of AI. *Lecture: 3 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: CPE C313.*

CPE C315. Computer Application. This course will focus on the utilization of the current computer program/software to perform a specific useful task. Students will have practical and hands-on experience in computer programs or software, which can be used in various applications. This also focuses on the management and use of new technologies (past, present, and future), more especially on the effective integration of information technologies (e.g., programming language, software packages, operating systems, security issues, and hardware infrastructure) within organizations. During the course, each student will develop a broad understanding of new technologies in general while developing their knowledge/skill in the use of one particular technology. Learning will be accomplished through assigned reading, class discussion, and hands-on use of state-of-the-art technology. *Laboratory: 1 unit. Credit: 1 unit. Prerequisite: CPE C201, ITC C201.*

CPE C401. Computer Architecture and Organization. This course includes the study of the evolution of computer architecture and the factors influencing the design of hardware and software elements of computer systems. The focus is on the understanding of the design issues; specifically, instruction set architecture and hardware architecture. *Lecture:3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: CPE C306.*

CPE C402. Internship. This course enables students to relate their acquired competencies to the realities and problems of industries in a multidisciplinary environment. This may include involvement in the industry's manpower requirements, development and research concerns, training, applications of principles, environmental concerns, ethical and behavioral concerns, decision-making, and equipment and materials concerns. *Lecture:3 units. Credit: 3 units. Prerequisite: CPE C403, CPE C407, CPE C409 (required 240 hrs.).*

CPE C403. CpE Practice and Design 1. This course is the first course in a two-semester sequence that constitutes the design experience for undergraduate computer engineers. It provides essential ideas, concepts, and principles in the engineering design process and emphasizes other design issues, including engineering standards and multiple constraints, as well as effective communication strategies. Students work in teams to develop project proposals for assigned open-ended problems. Students are required to make oral presentations and submit a written proposal for their projects. *Laboratory: 1 unit. Credit: 1 unit. Prerequisite: CPE C306, EGR C302.*

CPE C404. CpE Practice and Design 2. This course is the second of the design experience for undergraduate computer engineering students. In this course, students will be expected to build/fabricate their design, test and evaluate the design against their design specifications, and demonstrate a fully functional project to their design review committee. Students make oral presentations and submit final reports documenting their projects. *Laboratory: 2 units. Credit: 2 units. Prerequisite: CPE C403.*

CPE C405. Emerging Technologies in CpE. This 3-unit course focuses on emerging technologies in the field of computer engineering, IT trends and other allied disciplines that would be relevant for the computer engineering profession. This course will specifically discuss the core concepts of cloud computing and expose students to popular cloud computing platform like AWS. It will cover topics on AWS cloud computing model, architecture, services, products, pricing, technology, security, and shared responsibility model. The course will prepare students for Cloud Practitioner certification. *Lecture: 3 units. Credit: 3 units. Prerequisite: EGR C302.*

CPE C407. Cognate/Track Course 3. Data Science (Software Development Tack). Data Science is the study of the generalized extraction of knowledge from data. It requires an integrated skill set spanning mathematics, statistics, machine learning, databases, and other branches of computer science, along with a good understanding of the craft of problem formulation to engineer effective solutions. This course will introduce students to this rapidly growing field and equip them with some of its basic principles and tools, as well as its general mindset. Students will learn concepts, techniques, and tools they need to deal with various facets of data science practice, including data collection and integration, exploratory data analysis, predictive modeling, descriptive modeling, data product creation, evaluation, and effective communication. The focus in the treatment of these topics will be on breadth rather than depth, and emphasis will be placed on the integration and synthesis of concepts and their application to solving problems. Real datasets from a variety of disciplines will be used to make the learning contextual. *Lecture:2 units. Laboratory: 1unit. Credit: 3 units. Prerequisite: Cognate/Track Course 2.*

CPE C407. Cognate/Track Course 3. Cyber Security (System and Network Administration Track). This course introduces students to the interdisciplinary field of cybersecurity by discussing the evolution of information security into cybersecurity, cybersecurity theory, and the relationship of cybersecurity to nations, businesses, society, and people. Students will be exposed to multiple cybersecurity technologies, processes, and procedures, learn how to analyze the threats, vulnerabilities, and risks present in these environments, and develop appropriate strategies to mitigate potential cybersecurity problems. *Lecture: 2 units. Laboratory: 1unit. Credit: 3 units. Prerequisite: Cognate/Track Course 2.*

CPE C407. Cognate/Track Course 3. Emerging Technology (Information Technology Track). Technology is rapidly changing and evolving. An IT professional must be able to identify the potential benefits of new technology and determine the feasibility of implementation into a given system. Students will learn to research and apply new and/or innovative technologies that are being integrated into the Information Technology environment. This course will provide students with the opportunity to investigate trends and examine the potential impact of the technology. *Lecture: 2 units. Laboratory: 1 unit, Credit: 3 units. Prerequisite: Cognate/Track Course 2.*

CPE C409. Seminars and Field Trips. The course includes seminars and lectures on current trends and issues in Computer Engineering developments. Include field trips to different companies and plants dealing with computer system facilities. *Laboratory: 2 units. Credit: 2 units. Prerequisite: EGR C302.*

DEPARTMENT OF ELECTRONICS ENGINEERING

ECE C101. Electronics Engineering as a Discipline. Electronics Engineering, as a Discipline, assists new students in what to expect in the degree. This includes familiarization of the curriculum, their professional organization, and their possible careers in the future. *Lecture:1 unit. Credit: 1 unit. Prerequisite: NONE.*

ECE C102. Material Science and Engineering. This course introduces the students to a broad study of the structure and composition of materials (metals, polymers, ceramics, and composite materials) and their properties and behavior in service environments. *Lecture: 3 units. Credit: 3 units. Prerequisite: NSC C204.*

ECE C104. Physics for ECE (Physics 2). Thermodynamics (1st & 2nd Law, basic concepts on heat engine and refrigerators), Energy Conversion (EM Induction, magnetic flux, generators), Semiconductor Physics. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: MAT C601, NSC C104 (co-requisite).*

ECE C201. Computer Programming. This course introduces the fundamental concepts of programming from an object-oriented perspective. Topics are drawn from classes and objects, abstraction, encapsulation, data types, calling methods and passing parameters, decisions, loops, arrays and collections, documentation, testing and debugging, exceptions, design issues, inheritance, and polymorphic variables and methods. The course emphasizes modern software engineering and design principles. *Laboratory: 2 units. Credit: 2 units. Prerequisite: NONE*.

ECE C202. Electromagnetics. This course deals with vector algebra, vector calculus, vector analysis, and their applications in electric and magnetic fields, resistive, dielectric, and magnetic materials, coupled circuits, magnetic circuits and fields, time-varying electromagnetic fields, and Maxwell's equations. *Lecture: 4 units. Credit: 4 units. Prerequisite: EGR C201*.

ECE C203. Electronics 1: Electronic Devices and Circuits. This course discusses the construction, operation, and characteristics of basic electronic devices such as junction diodes, bipolar junction transistors, Field Effect Transistors, and MOS Field-Effect Transistors and oscillators. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: BSCPE - EGR C205; BSECE – ECE C104*.

ECE C204. Electronics 2: Electronics Circuit Analysis and Design. High-frequency transistor models; analysis of transistor circuits; multi-stage amplifier, feedback, differential amplifiers, and operational amplifiers; integrated circuit families (RTL, DTL, TTL, ECL, MOS). *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C203*.

ECE C205. Advanced Engineering Mathematics for ECE. A study of selected topics in mathematics and their applications in advanced courses in engineering and other allied sciences. It covers the study of Complex numbers and complex variables, Laplace and Inverse Laplace Transforms, Power series, Fourier series, Fourier Transforms, z-transforms, power series solutions of ordinary differential equations, partial differential equations, and numerical methods in engineering. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4. Prerequisite: EGR C201*.

ECE C206. Communications 1: Principles of Communications Systems. Bandwidth; filters; linear modulation; angle modulation; phase-locked loop; pulse modulation; multiplexing techniques; noise analysis; radio transmitters and receivers. *Lecture: 3 units, Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C203, ECE C204 (co-requisite)*.

ECE C207. Electronics Shop work. An introduction to the different tools and practices in an electronics shop. This includes the utilization of CAD tools, PCB **development, and the like to assist students in the construction of different projects they** will encounter throughout their stay as Electronics Engineering students. *Laboratory: 1 unit, Credit: 1 unit. Prerequisite: ECE C104*.

ECE C215. Integrated Course 1. This course is specifically designed to prepare engineering students for their board exams by providing a comprehensive review of key mathematical concepts and problem-solving techniques. It focuses on reinforcing students' understanding and proficiency in mathematics, ensuring they are well-equipped to excel in their board exams. *Lecture: 0 unit. Lab: 3 units. Credit: 1 unit. Prerequisite: EGR C201.*

ECE C301. Digital Electronics 1: Logic Circuits and Switching Theory. Review of number systems, coding, and Boolean algebra; inputs and outputs; gates and gating networks; combinational circuits; standard form; minimization; sequential circuits; state and machine equivalence; asynchronous sequential circuits; race conditions; algorithmic state machines; design of digital subsystems. *Lecture: 3 units, Laboratory: 1 unit. Credit: 4 Units. Prerequisite: ECE C204*.

ECE C302. Digital Electronics 2: Microprocessor and Microcontroller system. The course covers concepts involving microprocessor/microcontroller systems architecture/organization, including microprocessor/microcontroller programming, interfacing techniques, memory systems, and bus standards. In the laboratory, the students will be involved with experiments using microcontrollers and the use of microprocessor/microcontroller development systems and other tools. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite:* ECE C301.

ECE C303. Electronics 3: Electronics System and Design. Theory, operating characteristics, and design of electronic devices and control circuits for industrial processes; industrial control applications; electronics instrumentation; transducers; data acquisition system; interfacing techniques; sensors. *Lecture: 3 units, Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C204*.

ECE C304. Engineering Management. This course will entail students to learn the basic function of a manager applicable in decision making, which applies to real-world problems. Furthermore, students would learn how to apply planning, leading, organizing, and control principles into the resources to increase efficiency. *Lecture: 2 units. Credit: 2 units. Prerequisite: EGR C103*.

ECE C305. Communications 2: Modulation and Coding Techniques. Random variables, bit error rate; matched filter; Digital modulation techniques;

ASK, FSK, QAM, PSK/QPSK, CDMA, and W-CDMA systems; signal space; generalized orthonormal signals; information measures-entropy; channel capacity; efficient encoding; error-correcting codes information theory; data compression; coding theory. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C206*.

ECE C306. Communications 3: Transmission Media and Antenna System Design. Transmission media; radio wave propagation wire and cable transmission systems; fiber-optic transmission system; transmission lines and antenna systems. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C305*.

ECE C307. Signals, Spectra, Signal Analysis. Fourier transform; z transform; convolution; FIR filters; IIR filters; random signal analysis; correlation functions; DFT; FFT; spectral analysis; applications of signal processing to speech, image, etc. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C205*.

ECE C308. Communications 4: Data Communications. Data communications systems; terminals, modems; terminal control units; multiplexers; concentrators; front-end processors; common carrier services; data communication system design; computer network models; TCP/IP; principles; LAN; WAN. *Lecture: 3 units, Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C305*.

ECE C309. Internship. Actual On-the-Job Training or Industry Internship in the field of specialization. Hours to be rendered: 240 hours. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECE C308; ECE C302*.

ECE C310. Feedback and Control System. This course deals with the time and frequency response of feedback control systems. The topics covered include time response of first-order and second-order systems, modeling, transfer functions, pole-zero map, stability analysis, root locus, bode plots, compensators, PID controllers, and introduction to state-space techniques. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C205*.

ECE C312. Telephone Systems. Operating performance and interface standards for voice and data circuits; telecommunications facility planning; outside plant engineering; surveying; switching and handling systems; mobile systems and standards; cellular radio systems; PSTN. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECE C305*.

ECE C314. Methods of Research. This course deals with research preparation methods, research tools, research proposals, and the implementation,

presentation, and publication of research work. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECE C303*

ECE C315. Integrated Course 2. This course is designed to provide an intensive review for engineering students preparing for their board exams, with a dual focus on advanced mathematics and a thorough review of general engineering and applied science concepts. The course aims to solidify students' foundational knowledge and enhance their problem-solving skills across multiple disciplines. *Lecture: 0 unit. Lab: 6 units. Credit: 2 units. Prerequisite: ECE C215*

ECE C401. ECE Elective 1 (Broadcast Production Engineering 1). Discusses operation of audio and video equipment including amplifiers, processors, audio/video mixers, distribution amps, TV cameras, microphones, monitors systems integration, studio electro-acoustic and lighting, TV and radio transmitters and propagation, coverage map calculation and frequency analysis, broadcast networking, broadcast ancillary services (STL's and satellite links). It also includes CATV technology and DTH. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C306, ECE C308.*

ECE C402. ECE Elective 2 (Broadcast Production Engineering 2). The course includes the applications in different areas of broadcasting such as television, AM, FM, cable television, telecommunications, data communications, studio acoustics, etc. through experiments and field research; basic equipment or devices used for transmission of signals such as filters and oscillators, radio frequency power amplifiers and mixers, basic circuits of modulation and demodulation, transmitters and studio equipment. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: ECE C401*.

ECE C403. Environmental Science and Engineering. Environmental Science Knowledge in Ecology and Human Population Control, Variety of Resources and Outline Plans for Attaining Sustainable Society, The Enigma of Pollution, and the Legal, Technical and Personal Solutions for it. Study of Environmental Impact Assessment and Environmental Crisis. *Lecture: 3 units. Credit: 3 units. Prerequisite: NSC C204*.

ECE C404. ECE Laws, Contracts, Ethics, and Standards and Safety. Contracts; warranties; liabilities; patents; bids; insurance; other topics on the legal and ethical positions of the professional engineer. This course includes Safety and other standards related to the ECE profession. *Lecture: 3 units. Credit: 3. Prerequisite: NONE*.

ECE C405. Design Project 1. This capstone course utilizes the fundamentals of electronics engineering in the design of an electronic system. It includes the synthesis of processes, analysis of process conditions, and the analytic, heuristic, and optimum design of equipment and processes. Economic analysis is included to estimate the cost of equipment, capital investment, total product cost, and profitability. *Lecture: 1 unit. Credit: 1 unit. Prerequisite: ECE C314, ECE C308, ECE C302.*

ECE C406. Design Project 2. This capstone course utilizes the fundamentals of electronics engineering in the design of an electronic system. It includes the synthesis of processes, analysis of process conditions, and the analytic, heuristic, and optimum design of equipment and processes. Economic analysis is included to estimate the cost of equipment, capital investment, total product cost, and profitability. *Laboratory: 1 unit, Credit: 1. Prerequisite: ECE C405.*

ECE C407. Integrated Course 1. This course is the recapitulation and synthesis of the various courses of Electronics Engineering taken during the lower years. Pre-board reviews and qualifying examinations, particularly in general engineering courses and mathematics. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECE C303; ECE C308.*

ECE C408. Integrated Course 2.This course is the recapitulation and synthesis of the various courses of Electronics Engineering taken during the lower years. Pre-board reviews and qualifying examinations, particularly in electronics and electronics systems technology. *Lecture: 3 units. Credit: 3 units. Prerequisite: ECE C407.*

ECE C409. Seminars/Colloquium. This course deals with a series of lectures and seminars on selected topics that are highly relevant to electronics engineering but are not covered in any of the other formal courses. It covers recent advances in electronics engineering. It is also a venue for the students to present their projects and researches. *Lecture: 2 units. Credit: 2 units. Prerequisite: ECE C302, ECE C308, ECE C314.*

ECE C411. Advanced Computer Networks. The course includes the basic principles of network architecture, computer network design, services, technologies, and network security. *Credit: 4 units. Prerequisite: ECE C308.*

ECE C415. Integrated Course 3. This course provides an all-encompassing review for engineering students preparing for their board exams, covering mathematics, general engineering, applied science, and specialized topics in electronics and communication. It aims to equip students with the knowledge and

skills necessary to excel in all areas tested in the board exams. *Lecture: 0 unit. Lab: 9 units. Credit: 3 units. Prerequisite: ECE C315*

DEPARTMENT OF INFORMATION TECHNOLOGY

ITC C102. Computer Systems and Troubleshooting For IT. This course deals with the organization of a simple stored-program computer: CPU, busses, and memory. Hardware organization of computer systems and identifying components of a computer system, including cases and power supplies, internal components, ports and cables, and input and output devices, as well as the preventive maintenance, are explained. Determining the operating system based on customer needs, installing an operating system, navigating a GUI, applying common preventive techniques, and helping to identify the elements of the computer system troubleshooting process is covered. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C103.*

ITC C103. Fundamentals of IT. This course is designed for individuals who are considering a career in information technology (IT) and who might be planning to pursue CompTIA IT Fundamentals certification, CompTIA A+™ certification, or other similar certifications.

Topics include setting up of basic workstation, including installing basic hardware and software and establishing basic network connectivity; identify and correct compatibility issues; identify and prevent basic security risks; and practice basic support techniques on computing devices. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

ITC C103. Fundamentals of IT. (For BSEMC students only). This course is an introductory course designed for individuals considering a career in multimedia computing, particularly in the fields of animation and video game development. The course covers essential IT skills such as setting up a basic workstation, installing hardware and software, establishing network connectivity, and troubleshooting compatibility and security issues. In addition, students will be introduced to the foundations of multimedia computing, exploring how IT supports creative workflows in animation and game development. Through hands-on activities, students will gain a basic understanding of computing devices and how they are used in digital content creation and interactive entertainment. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

ITC C105. Computer Programming 1. (For BSIT students only). This course provides problem- solving and computer programming skills for students with no prior experience in the area of programming. Students will be using Java, a high-level programming language, to learn the fundamentals of computer programming including how to write, compile and execute programs. Some

familiarity with computers is beneficial. Basic programming concepts include logic formulation, basic syntax, use of different data types and operators, iteration and decision making, and functions. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units Prerequisite: None*

ITC C105. Computer Programming 1. **(For BSIT-BA students only).** This course provides problem-solving and computer programming skills for students with no prior experience in the area of programming. Students will be using Python, a high-level programming language, to learn the fundamentals of computer programming including how to write, compile and execute programs. Some familiarity with computers is beneficial. Basic programming concepts include basic syntax, use of different data types and operators, iteration and decision making, and function. Advance concepts such as GUI and scripts and introduction to data science will also be discussed. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units Prerequisite: None*

ITC C105. Computer Programming 1. (For BSEMC students only). This course provides problem- solving and computer programming skills for students with no prior experience in the area of programming. Students will be using C++ to learn the fundamentals of computer programming including program logic formulation, how to write, compile and execute programs. Basic programming concepts include basic syntax, use of different data types and operators, iteration and decision making, and functions. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units Prerequisite: None*

ITC C106. Computer Programming 2. (For BSIT-BA Students only) This course is a continuation of Computer Programming 1 and introduces business analytics students to new programming tools that are required to solve the more advanced set of data analysis problems. Students will further develop their knowledge of the principles of data analysis and programming using the Python language. The course will also cover in-depth topics on the use of advanced Python libraries such as Numpy, Pandas, and MatplotLib. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C105.*

ITC C106. Computer Programming 2. (For BSIT Students only) This course introduces and teaches the students to advance programming models and structural programming through the process of writing, testing, maintaining source code on the topics of nesting, arrays, pointers, string functions, structures, built in and user-built functions and file handling. Hands on exercises using structured and object-oriented programming are embedded in the course to supplement their programming skills. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C105.*

ITC C106. Computer Programming 2. (For BSEMC students only) This course is a continuation of Computer Programming 1. This course further develops students' programming skills using the C# language, with an emphasis on solving

more complex problems and introducing object-oriented programming concepts. Students will explore advanced programming techniques and begin applying C# in game-related scenarios, such as managing game logic, user interaction, and basic gameplay systems. The course prepares students to build functional prototypes and interactive components, serving as a foundation for future courses in game development. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C105.*

ITC C201. Database Fundamentals. (For BSIT students only). This course emphasized database concepts, developments, use, and management in three main sections: database concepts, practice, and emerging trends. Relational database systems are the main focus, but other types, including object-oriented databases, are studied. The practical design of databases and developing database applications using modern software tools will be emphasized. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: MAT C604.*

ITC C201. Database Fundamentals. (For BSCPE students only). This course is intended to provide students with a solid understanding of modern database management systems. It covers topics such as the hierarchy of data organization, data independence, and redundancy and integrity of data. Through hands-on experience with a major commercial database management software, students are expected to gain a firm understanding of the theory as well as practices of Database Management. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: CPE C102.*

ITC C201. Database Fundamentals. (For BSEMC students only). This course introduces the fundamentals of database design and implementation tailored for video game development. Students will learn how to model, create, and manage databases that support core gameplay systems such as player profiles, inventory systems, game progression, achievements, and leaderboards. Emphasis is placed on relational database concepts, structured query language (SQL), data normalization, and integrating databases into game engines. By the end of the course, students will be able to design and implement efficient, scalable, and secure database solutions that enhance the interactive and persistent aspects of modern video games. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: MAT C604.*

ITC C202. Data Structures and Algorithms. The course covers the standard data representation and algorithms to solve computing problems efficiently concerning space requirements and the time complexity of algorithms. This covers the following: Stacks, Queues, Trees, Graphs, Maps, and Sets. A thorough discussion of sorting and searching algorithms and hashing is covered. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C209.*

ITC C203. Social and Professional Issues in IT. This course prepares the students to be responsible IT professionals who understand the value of ethics and

morals as they enter the industry. The growth of computer usage and networks has increased the responsibilities of IT professionals in issues such as privacy, hacking, copyright, malware, and intellectual property. After taking this course, the students will be better at analyzing situations involving ethical conflicts. *Lecture: 3 units. Credit: 3 units. Prerequisite: ITC C103*.

ITC C204. Applications Development and Emerging Technologies. Development of applications using the web, mobile, and emerging technologies with emphasis on requirements management, interface design, usability, testing, deployment, including ethical and legal considerations. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C106*.

ITC C206. Introduction to ERP. This course introduces students to the fundamental concept of enterprise resource planning (ERP) systems and the importance of integrated information systems in an organization. The focus of this course is on illustrating procurement, production, and sales business processes using ERP software. Use of SAP as an example ERP system. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C614*

ITC C209. Object-Oriented Programming. This course covers the object-oriented programming paradigm. The topics covered: concepts of the object-oriented paradigm, encapsulation, inheritance, polymorphism, abstract classes and interfaces, overloading and overriding, exception handling, package, and object-oriented design. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C106*.

ITC C301. Integrative Programming and Technologies 1. This knowledge area examines the various types of programming languages and their appropriate use. The course addresses the use of architectures, application programming interfaces, and programming practices to facilitate the management, integration, and security of the systems that support an organization. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C502, ITC C202*.

ITC C302. System Integration and Architecture 1. This course studies the process of integrating different systems and software applications by examining current and emerging trends, strategies, and techniques for developing systems integration solutions effectively. Topics include, but are not limited to: documenting integration requirements using business process models, designing integration solutions reusing patterns, and implementing integration solutions using service-oriented architecture. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C303, ITC C305*.

ITC C303. Information Security 1. This is an introductory course discussing various technical and administrative aspects of Information Security. In this course, the students will take an in-depth look at network security concepts and techniques and examine the theoretical concepts of information security. This course will explore network security implementation as well as techniques and strategies to address security-related issues, including systems and networks. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C202.*

ITC C304. Information Security 2. This course focuses on technical security issues of the system used in today's information technology applications. Explores the practical issues of identification and authentication, the security of operating systems, cryptography, disaster recovery, and contingency planning, and discusses the relevant theoretical models. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C303, ITC C305.*

ITC C305. Network Technologies 1. An introduction to the design and analysis of computer communication networks. Topics include application layer protocols, Internet protocols, network interfaces, local and wide area networks, wireless networks, bridging and routing, and current topics. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C202.*

ITC C306. Network Technologies 2. This course discusses emerging networking techniques, inducing software-defined networking (SDN), and network function visualization (NFV). This will also provide students with similar security issues in SDN and NFV. The course will involve readings and discussion of classic and recent papers on developments in computer networking research. Students will explore new ideas through projects, improve skills in presentations, and enhance critical thinking, systems and security programming, and creativity. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C303, ITC C305.*

ITC C307. Foundation of Business Analytics. This course provides general knowledge on business analytics, illustrated with case studies and examples from various industries. The student must have a good understanding of the underlying probability theory and statistics. Thus, the course also provides a basic knowledge of statistics and probability. It introduces such concepts as random variables and probability distributions, and it covers the basics of statistical analysis and inference. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C502.*

ITC C309. Presentation Skills in IT. This course provides the students with the foundation blocks that are necessary for preparing, delivering, and supporting presentations that are both engaging and effective. *Lecture: 3 units. Credit: 3 units. Prerequisite: ITC C502.*

ITC C310. IT Project 1. This course is a project-driven module for students built upon the concepts of Systems Analysis and Design. The students are expected to utilize skills in requirements analysis, use case and object modeling, project management, programming, database design, and written and oral communication skills in an active learning environment. The output of this course is a fully documented system proposal where students have followed standards of the creation of an information systems project and program development. *Lecture: 3units. Credit: 3 units. Prerequisite: ITC C303, ITC C305, ITC C503*.

ITC C311. Technical Writing for IT. This prepares students to design effective technical documents for both written and digital media, with particular emphasis upon technical memos, problem-solving and decision-making reports, and organizational, product-support, and technical information webs. To support these writing tasks, the course provides an introduction to principles of audience analysis, research and documentation, drafting and revision processes, readability and accessibility of written texts, and basic web technologies. *Lecture: 3units. Credit: 3 units. Prerequisite: ITC C502*.

ITC C311. Technical Writing for IT. (For BSEMC students only). This course equips students with the skills to write clear, concise, and effective technical documents tailored for multimedia projects such as video games and animated films. Emphasis is placed on creating technical briefs, game design documents, production reports, and other forms of project documentation essential in the creative development pipeline. Students will learn principles of audience analysis, research and documentation, drafting and revision, as well as ensuring clarity, readability, and accessibility of their texts. The course also introduces basic digital publishing formats and collaborative writing tools commonly used in the multimedia and entertainment industries. *Lecture: 3units. Credit: 3 units. Prerequisite: None*

ITC C312. Software Design and Implementation. The course provides the students with introductory techniques in the planning and implementation of large software systems. Topics include an emphasis on human interface aspects of systems, planning software projects, software design process, top-down design, modular and structured design, management of software projects, testing of software, software documentation, and choosing a language for a software system. *Lecture: 3units. Credit: 3 units. Prerequisite: ITC C313*.

ITC C313. Project Management. This course is mainly designed to prepare IT project managers, novice or experienced, with project management skills needed to manage IT projects. Built along the IT project management lifecycle, this course covers detailed topics of the basic concepts of IT project management, including

initiating, planning, controlling, executing, and closing projects. The course also shows how IT projects should be managed, from inception to post-implementation review. The audience who take this course will likely improve their management skills and abilities to define the project scope, create a workable project plan, and manage within the budget and schedule. *Lecture: 3units. Credit: 3 units. Prerequisite: ITC C502*.

ITC C401. System Administration and Maintenance. This course focuses on the administration of operating systems in a client-server technology (Windows and Linux on a virtual machine), installation, and maintenance. It prepares students for the installation of Windows Server, NTFS file system and folder permissions, Domain Name System, Active Directory, local and domain Group Policy, Windows Terminal Services, Internet Security and Acceleration Server, Internet Information Services, communications, and networking. An introduction to Linux, installing Ubuntu, advanced usage, and managing Ubuntu, terminal, working with Windows, system administration, the configuration of server: WWW, DHCP, DNS, Samba, NFS, emails, and printers. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C302, ITC C304, ITC C306*.

ITC C402. Internship. The course prepares the students to elevate their information technology craft, thus encouraging them to develop a higher level of awareness in the study and application of technology. As they are exposed to specific industry partners and deployed in various corporate workplaces, students' full potential is achieved by helping them realize an individual passion for excellence through collaboration with diverse people and responsible participation as team players both in the industry and in nation-building. *Lecture: 6 units. Credit: 6 units. Prerequisite: ITC C508, ITC C403*.

ITC C403. IT Project 2. This course is the second phase of IT Project 1, where students are expected to present the information system study to ensure the models of the software development life cycles, which include documentation for requirements analysis, program specifications, design, implementation, and integration. Students are monitored by a faculty member of the IT Department for supervision, consultation on the progress of the project, and the approval of the stages of software development. *Lecture: 3 units. Credit: 3 units. Prerequisite: ITC C310*.

ITC C501. ITE Elective 1. Fundamentals of Business Analytics (Business Analytics Track). This course provides students with an overview of the current trends in Information Technology that drive today's business. The course will provide an understanding of data management techniques that can help an organization to achieve its business goals and address operational challenges. This

will also introduce different tools and methods used in business analytics to provide the students with the opportunities to apply these techniques in simulations in a computer laboratory. *Credit: 3 units. Prerequisite: ITC C201, ITC C209.*

ITC C501. ITE Elective 1. Introduction to Enterprise Resource Planning (Enterprise Resource Planning Track). This course introduces students to the fundamental concept of Enterprise Resource Planning (ERP) systems and the importance of integrated information systems in an organization. The focus of this course is on illustrating procurement, production, and sales business processes using ERP software. Use of SAP as an example ERP system. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C201, ITC C209.*

ITC C501. ITE Elective 1. Network Fundamentals (Networking Track). This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. Labs use a "model Internet" to allow students to analyze real data without affecting production networks. Packet Tracer (PT) activities help students analyze protocol and network operation and build small networks in a simulated environment. At the end of the course, students build simple LAN topologies by applying basic principles of cabling; performing basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C201, ITC C209.*

ITC C502. Advanced Database Systems. This course covers several advanced data management topics, including issues in relational database management systems, data-centric applications, and Web systems. The specific topics include advanced concurrency control techniques, query processing and optimization strategies for relational database systems, advanced indexing methods, parallel and distributed database systems, next-generation data models, data mining on large databases, data on the web, and topics in data security and privacy. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C201.*

ITC C503. ITE Elective 2. Fundamentals of Enterprise Data Management. (Business Analytics Track) The course is designed to introduce students to the fundamentals of database management systems, enterprise data management using a data warehouse (DW or DWH), which can be used for further data mining, reporting, and data analysis purposes. It describes various activities involved in data mining tasks like data anomaly detection (Outlier/ change/ deviation detection), data association rule learning (dependency modeling), data clustering, data

classification, data regression, and data summarization. This course also introduces students to formalized means of organizing and storing structured and unstructured data in an organization. It describes how Enterprise Content Management (ECM) can manage corporate information effectively through simplifying storage, security, version control, process routing, and retention. The course also describes the seriousness of information security and provides techniques to use predictive analytics for the detection of fraudulent activities. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C501.*

ITC C503. ITE Elective 2. Business Processes. (Enterprise Resource Planning Track) This course introduces concepts of business process modeling using industry standards. The students will learn the elements of process models and their precise meaning. This will also cover business processes within organizations and also interacting processes involving several organizations, such as investigating process orchestrations and process choreographies and techniques to analyze business processes from a formal perspective. The course centers on concepts and language to describe and analyze business processes, and a deep understanding of business process models is a useful basis for the activities. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C501.*

ITC C503. ITE Elective 2. Routing Protocols and Concepts. **(Networking Track)** This course describes the architecture, components, and operation of routers and explains the principles of routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. By the end of this course, students will be able to recognize and correct common routing issues and problems. Each chapter walks the student through a basic procedural lab and then presents basic configuration, implementation, and troubleshooting labs. Packet Tracer (PT) activities reinforce new concepts and allow students to model and analyze routing processes that may be difficult to visualize or understand. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C501.*

ITC C504. Multimedia Development. This course deals with the concepts and foundations of multimedia design. It covers discussion on the planning and designing of multimedia, software for implementing the multimedia design, and important principles for working with text, graphics, animation, sound, and video. The discussions are followed by hands-on projects and case studies. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C103, EMC C102.*

ITC C506. ITE Elective 3. Predictive Modeling. (Business Analytics Track) The course is designed to introduce students to the fundamental techniques of using data to make an informed management decision. In particular, the course focuses on various ways of modeling or thinking structurally about decision

problems to enhance decision-making skills. Topics include business process modeling, business decision modeling, optimization modeling, and risk management. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C503.*

ITC C506. ITE Elective 3. Systems Integration and Architecture. (Enterprise Resource Planning Track) This course focuses on the integration of information systems in organizations, the process by which different computing systems and software applications are linked together physically or functionally. It examines the strategies and methods for blending a set of interdependent systems into a functioning or unified whole, thereby enabling two or more applications to interact and exchange data seamlessly. The course will explore tools and techniques for systems integration as well as proven management practices for integration projects. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C503.*

ITC C506. ITE Elective 3. LAN Switching and Wireless. (Networking Track) This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Beginning with a foundational overview of Ethernet, this course provides detailed explanations of LAN switch operation, VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Students analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C503.*

ITC C508. ITE Elective 4. Analytics Techniques and Tools. (Business Analytics Track) This course aims to provide the student with the techniques and tools that help organizations identify patterns and anomalies in business data, conduct in-depth trend analyses using statistical and financial management tools, perform predictive modeling to anticipate potential threats and opportunities, and produce accurate financial and regulatory reports for proactive planning and budgeting. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C506.*

ITC C508. Systems Administration and Maintenance. (Enterprise Resource Planning Track) This course covers the essentials for effective administration and maintenance of applications, operating systems, and networks. It also considers the need for IT system documentation, policies and procedures, and the education and support of the users of these systems. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C506.*

ITC C508. ITE Elective 4. Accessing the WAN. **(Networking Track)** This course explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Students learn about user access technologies and devices and discover how to implement and configure Point-to-Point Protocol (PPP), Point-to-Point Protocol over Ethernet (PPPoE), DSL, and Frame Relay. WAN security concepts, tunneling, and VPN basics are introduced. The course concludes with a discussion of the special network services required by converged applications and an introduction to the quality of service (QoS). *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C506*.

ITC C601. Statistics for Business Analytics. This course aims to help the students understand the overview of the field of big data, with a focus on the statistical techniques for analyzing data. It also helps students to learn and apply several key applications of big data which includes different techniques in data analysis using graphical techniques and hypothesis testing. It also provides a brief overview of software packages applications on how they can be used to analyze statistical data. *Lecture: 3 units. Credit: 3 units Prerequisite: None*

ITC C602. Advanced Statistics. This course aims to help students understand the overview of the field of big data, with a focus on the statistical techniques for analyzing data. It also helps students to learn and apply several key applications of big data, which includes different techniques in data analysis and hypothesis testing. Topics covered include probability distributions, data transformations, confidence intervals, hypothesis testing, frequency analysis, correlation and regression analysis. *Lecture: 3 units. Credit: 3 units. Prerequisite: ITC C601*

ITC C603. Macro Programming. This course focuses on Microsoft Excel Visual Basic for Applications customizations and applications. To develop these customizations, we need to first learn macros and what they can do for your projects. We then go into modules and custom-coded macros. Visual Basic is an object-oriented language, so we show you how to create custom classes that plug into your Excel modules. This course not only focuses on Visual Basic syntax, but we also focus on working with classes, properties, and methods specific to the Visual Basic version for Excel. We show you how to data mine from external sources, connect to databases, and even scrape Internet content to include in a local spreadsheet. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units Prerequisite: None*

ITC C604. Data Analysis using Excel. The use of Excel is widespread in the industry. It is a very powerful data analysis tool, and almost all big and small businesses use Excel in their day-to-day functioning. This course is designed in

keeping in mind two kinds of learners - those who have very little functional knowledge of Excel and those who use Excel regularly but at a peripheral level and wish to enhance their skills. Topics include basic operations such as reading data into Excel using various data formats, organizing and manipulating data, and some of the more advanced functionality of Excel. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C601, ITC C603*

ITC C605. Data Management and Statistical Analysis using R. The course is designed to introduce students to the fundamentals of data management using the R programming language, and provides them with fundamental knowledge about data infrastructure and data management technologies that need to be in place before an enterprise can start leveraging business intelligence in their business operations. It also describes various activities focused on creating accurate, consistent, and transparent content with emphasis on data precision, granularity, and meaning, which is necessary for integrating content into business applications and enabling it to be passed along from one business process to another within an enterprise. This course also introduces students to available commands and functions in the RStudio environment that can be used to deploy formalized means of organizing and storing structured and unstructured data in an organization, with opportunities to practice using these tools in a simulated enterprise data management setting in a computer laboratory. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C604, ITC C602, ITC C201*

ITC C607. Fundamentals of Business Analytics. The course provides students with an overview of the current trends in information technology that drive today's business. The course will provide an understanding of data management techniques that can help an organization to achieve its business goals and address operational challenges. This will also introduce different tools and methods used in business analytics to provide the students with opportunities to apply these techniques in simulations in a computer laboratory. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C201, ITC C202*

ITC C609. Enterprise Data Management. The course is designed to introduce students to the fundamentals of enterprise data management using master data, and provides them with fundamental knowledge about data infrastructure and data management technologies that need to be in place before an enterprise can start leveraging business intelligence in their business operations. It also describes various activities focused on creating accurate, consistent, and transparent content with emphasis on data precision, granularity, and meaning, which is necessary for integrating content into business applications and enabling it to be passed along from one business process to another within an enterprise. This course also introduces students to available commands and functions in the RStudio

environment that can be used to deploy formalized means of organizing and storing structured and unstructured data in an organization with opportunities to practice using these tools in a simulated enterprise data management setting in a computer laboratory. *Lecture: 3 units. Credit: 3 units. Prerequisite: ITC C607*

ITC C610. Fundamentals of Analytics Modelling. Analytical models are key to understanding data, generating predictions, and making business decisions. This course introduces students to the basic concepts, frameworks, and algorithms in predictive analytics as it relates to business decision making. The course will also provide understanding on predictive analytics/forecasting software tools and techniques to enable them to build and validate predictive models and practice how to implement them. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C609*

ITC C611. Analytics Application. The course aims to provide the student with applications that help organizations develop insight to make better timely decisions and automate processes. It provides a solid foundation of strategic analytics products and services to take advantage of all the data sources, including structured and unstructured data, and ultimately get the support needed to stay one step ahead of the competition. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C614, ITC C610*

ITC C612. Analytics Techniques and Tools. This course aims to provide the student with the techniques and tools that help organizations identify patterns and anomalies in business data, conduct deep trend analyses using statistical and financial management tools, perform predictive modeling to anticipate potential threats and opportunities and produce accurate financial and regulatory reports for proactive planning and budgeting. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C610, ITC C614*

ITC C614. Data Modelling. Given the large amount of data generated at a phenomenal speed in this era, one fundamental scientific challenge is how to model the data in a way that computational tools can analyze the data efficiently and effectively to reveal insights and make predictions. This course aims to provide students with an overview of data modelling concepts and theories as well as hands-on practice and experience. In this course, students will learn why data models are important and understand and practice using basic data modelling building blocks. They will also understand what business rules are and why and how they influence database design. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C609*

ITC C616. Data Storytelling and Dashboard Design. The course deals with data storytelling and dashboard design. It introduces students to the use of visualization
and dashboard design to enhance the presentation of data. Throughout the semester students are encouraged to apply the principles they have learned to the needs of their personal practice. *Credit: 3 units. Prerequisite: EMC C102*

DEPARTMENT OF ENTERTAINMENT AND MULTIMEDIA COMPUTING

EMC C101. Basic Drawing 1. This course introduces basic drawing techniques and is designed to increase observation, imagination, and creative conceptualization skills. Emphasis is placed on the fundamentals of drawing. Upon completion, students should be able to demonstrate various methods and their application to representational imagery. The course will be based on experience and observation, exploring various techniques and media to understand the basic formal vocabularies and conceptual issues in drawing, and proper handling of drawing instruments and materials. *Laboratory: 1 unit. Credit: 1 unit. Prerequisite: None.*

EMC C102. Human-Computer Interaction. This course is intended to introduce the student to the basic concepts of human-computer interaction. It will cover the basic theory and methods that exist in the field. The course will unfold by examining design and evaluation. The students will gain principles and skills for designing and evaluating interactive systems. Among the topics studied are the design and evaluation of effective user interaction designs, including principles and guidelines for designing interactive systems. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C103*.

EMC C103. Digital Drawing. This course will focus on the fundamentals of digital drawing. This course is a hands-on introduction to the diverse and significant resources the computer offers the artist. This course is designed for students with either very limited or no experience in the computer arts and is designed to facilitate the student's ongoing development of digital literacy. Students gain an understanding of the digital drawing software and attain a working knowledge of several leading applications currently used by digital artists and graphic designers. *Lecture: 1 unit. Laboratory: 1 unit. Credit: 2 units. Prerequisite: None*.

EMC C104. Digital Imaging. This course deals with photography concepts as well as advanced techniques in digital photography and photo editing. Students will scientifically and artistically analyze the aspects of digital photography - how digital cameras work, how to take better pictures, and how to enhance these pictures. An introduction to the topics includes lenses and optics, light and sensors,

optical effects in nature, perspective and depth of field, sampling and noise, image processing and editing, and computational photography. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: None*.

EMC C106. Computer Graphics Programming. This course covers basic principles and techniques for computer graphics on modern graphics hardware. Students will gain experience in interactive computer graphics using the OpenGL API. Topics include 2D viewing, 3D viewing, perspective, lighting, and geometry. This course will introduce students to all aspects of computer graphics, including hardware, software, and applications. Students will gain experience using a graphics application programming interface (OpenGL) by completing several programming projects. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C103*

EMC C201. Introduction to Game Design and Development. This course covers an introduction to game design and development careers, both digital and traditional. It includes the history and philosophy of games, the game production process, employee factors for success in the field, and current issues and practices in the game development industry. Design principles are reinforced through project-based assignments such as world building, level design, and narrative writing. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C102, EMC C104, EMC C106*.

EMC C202. Audio Design and Sound Engineering. The goal of this course is to provide a basic understanding of the Audio/Sound Engineering environment. Students will learn and develop the tools and techniques used in animation and game development studios to capture and manipulate sound. It will be an introduction to the tasks of editing, mixing, and production. These are the foundation blocks upon which the career of an Audio Engineer/Sound Designer is built. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C501*.

EMC C203. Principles of 2D Animation. This course will offer skill development in the use of software to develop storyboards and 2-dimensional animation, including creating, importing, and sequencing media elements to create multi-media presentations. Emphasis will be on conceptualization, creativity, and visual aesthetics. This course takes the students through various aspects of animation using a variety of techniques utilizing 2D animation softwares. Developing concepts, storyboarding, and production of 2D animated shorts will be accomplished. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C104, EMC C106*.

EMC C204. Principles of 3D Animation. Skill development in three-dimensional modeling and rendering techniques using lighting, staging, and special effects for digital output. Emphasis on the production of three-dimensional (3D)

animation as final digital outputting using modeling, rendering, and animation software. This is a beginner level 3D computer animation course focused on introducing 3D animation software and practicing each student's technical modeling skills. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: For BSEMC-DAT: EMC C202, EMC C504; For EMC-GAD: EMC C202, ECM C203.*

EMC C206. Scriptwriting and Storyboard Design. This course teaches a better understanding of narrative writing and interactive storytelling. Students will be exposed to the fundamentals of scriptwriting and screenplay development, and the technology, techniques, and methods of traditional and digital film making. The course also explores the principles of multimedia production, online storytelling tools, and content management. *Lecture: 3 units. Credit: 3 units. Prerequisite: EMC C201.*

EMC C302. Design and Production Process. This course provides the foundation for understanding and critiquing the techniques used in television and small-screen media production and video games. We will look at a range of visual media, analyze story-telling techniques, and look at how stories are structured. This course will explore the entire production process through conceptualizing, sketching, and writing. Students will be introduced to various fundamentals in the production process, including storyboarding, treatment and scriptwriting, pitching, visual storytelling, character development, and techniques for composition, editing, sound, and visual design. Students are expected to be creative and to carry out or think through various pre-production tasks for each of the assigned projects. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BSEMC-DAT: C509, EMC C513; For BSEMC-GAD: EMC C204, EMC C603, EMC C613.*

EMC C304. EMC Project 1. This course is a project-driven module for students built upon the concepts of Multimedia Projects Design and development. The students are expected to utilize skills in multimedia production for animation or video games, Design document writing, project management, design and programming, and written and oral communication skills in an active learning environment. The output of this course is a fully documented multimedia project proposal where students have followed standards of the creation of a multimedia project such as animation films and video games. This course can also be a collaborative work between the animation and game development majors of the Entertainment and Multimedia Computing course. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BSEMC-DAT: EMC C505, EMC C509, EMC C513; For BSEMC-GAD: EMC C, EMC C603, EMC C605, EMC C613.*

EMC C401. EMC, Project 2. This course is the second phase of EMC Project 1, where students are expected to present fully developed multimedia projects,

which include documentation for requirements analysis, specifications, design, implementation, integration, and user feedback and results. Students are monitored by a faculty member of the IT-EMC Department for supervision, consultation on the progress of the project, and the approval of the stages of multimedia project development. *Lecture: 3 units. Credit: 3 units. Prerequisite: EMC C304.*

EMC C402. Internship. This course prepares the students to elevate their craft in the entertainment, multimedia, and creatives industry. Thus, encouraging them to develop a higher level of awareness in the study and application of multimedia and computing technology. As they are exposed to specific industry partners and deployed in various corporate workplaces, students' full potential is achieved by helping them realize an individual passion for excellence through collaboration with diverse people, and responsible participation as a team player both in the industry and in nation-building. *Credit: 9 units. Prerequisite: For BSEMC-DAT: EMC C401, EMC C507, EMC C511; For BSEMC-GAD: EMC C401, EMC C607, EMC C611.*

EMC C501. Image and Video Processing. In this course, students learn the fundamental operations on image and video editing and processing. Image processing includes transformation, color corrections, compositing, segmentation, morphing, and alignments. Video and processing include audio-video splitting, synchronization, and video transformation. This course will explore adobe creative applications. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C104, EMC C106.*

EMC C502. Visual Effects. This course explores adding special effects to digital films by combining live-action or animated footage and manipulating and enhancing imagery. Students learn how to use digital effects software, design appropriate effects, and incorporate digital effects into filming. Courses are available in both digital and dynamic effects, used during filming. Students in this course can expect to come across compositing, procedural modeling, color theory & application, cinematic techniques, and atmospheric perspective. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C501.*

EMC C503. Advanced 3D Animation. In this course, students learn how to apply the production process in creating animated short-film projects. From Writing screenplays, drawing storyboards, and creating animatics, Students will experience producing animated short-films from scratch. This course will also discuss the application of physics and kinematics in animation, Rigging and creating character controllers, and combining different techniques in the animation pre-production process. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C204*

EMC C504. Advanced 2D Animation. This course teaches the students the advanced lessons in creating digital 2D animations, analyzing styles and application of different animation techniques. The students will be exposed in projects utilizing storyboards and animatics, and the production of their original 2D animation shorts. This courser will cover a further study of movement in character with emphasis on specific scenes, transitions, and actions. This course promotes understanding and application of the principles of animation and design. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C203, EMC C501.*

EMC C508. Video Editing. In this course, the student will get a thorough overview of the interface, tools, features, and production flow for Premiere Pro CC. The course is an ideal combination of instructor-led demonstration and hands-on practice that introduces Adobe Premiere Pro software. This course will explore different tools and techniques in video editing and manipulation including audio and sound effects. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C501.*

EMC C509. Modelling and Rigging. In this course, students learn how to develop character assets in varied gradients of detail based on given concept arts. Students also learn the mechanics of rigging a model with skeleton and muscle structures with animators that may move about in actual animation production. Students will learn the theory and proper placement of critical structures based on the animation quality required and timescale. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C504, EMC C508, EMC C516.*

EMC C510. Advanced Sound Production. This course builds on sound design and production subjects. Advanced techniques in sound production, including creating original composition, will be covered. Students will learn to solve technical sound production problems and produce sound and music for animation and video games. This course will also cover sound processing, mixing, timing, enhancing, cleaning, and application to films and games. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C202, EMC C513.*

EMC C511. Animation Design and Production. In this course, students do collaborative work with each other to design and produce a short animation film project based on technical animation design documents. This course will also cover the production pipeline and project management. This course will let the students experience pre to post production including gathering data and interpreting their project outcomes and audience impact. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C302, EMC C510, EMC C512.*

EMC C512. Compositing and Rendering. This course introduces students to the fundamental and advanced techniques of compositing and rendering in the

context of 3D and visual effects (VFX) production. It covers the integration of multiple image elements to create a final polished output, using industry-standard tools and workflows. Students will explore layering, color correction, lighting, shadow integration, rendering passes, and camera effects. Emphasis is placed on realism, visual storytelling, and efficiency in rendering pipelines. Practical exercises will guide students through the complete post-production process from raw render to final composite. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C509, EMC C513.*

EMC C513. Cinematography. In this course, students will learn to collaborate and communicate effectively by interpreting the script and using lighting, composition, and movement to create a visual style and look. The mechanical basics of cameras, camera operation, optics, and camera support will also be introduced as well as the technical lighting fundamentals encompassing exposure, light meters, color, lighting instruments, film production will be explored. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C202, EMC C206.*

EMC C514. Texture and Mapping. This course provides an in-depth exploration of texturing and mapping techniques used in 3D modeling and real-time rendering environments. Students will learn how to create, apply, and manipulate textures on 3D models using various mapping methods such as UV mapping, bump mapping, normal mapping, and displacement mapping. The course also covers material creation, shader basics, and the use of texture painting tools within industry-standard software. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C509, EMC C513.*

EMC C516. Lighting and Effects. In this course, students learn the fundamentals of lighting controls and artificial visual effects as applied to real life and digital 2D and/or 3D animation. Students experience hands-on control of light and light sources using appropriate 3D animation software. *Credit: 3 units. Prerequisite: EMC C501.*

EMC C601. Applied Mathematics for Games. This course covers the core mathematical principles that are typically required for the creation of games. The course covers the necessary mathematical techniques required to simulate real-life scenarios. This course will also cover creation of mathematical formulas for in-game computations in combat, point system, mechanics, randomness, puzzles, timing, and design of game algorithms. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C604, EMC C106.*

EMC C602. Game Programming 1. An industry-focused games course, developed in response to relevant industry skill sets and driven by extensive consultation with Game Developers. This course is intended to provide students with basic game programming skills. The course takes students through languages and technologies used heavily by the gaming industry, as well as developing formulas, problem-solving, and practical programming proficiency. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C201, EMC C203, EMC C601.*

EMC C602A. Game Studies, Theories, and Methodologies. This course is an introduction to game theory and strategic thinking. It enriches the discussions on what computer games are about, how they can be used for teaching and learning, it makes students understand the effects of games in society and to the people playing games, and how they can be used for more productive purposes. This course is about video game psychology, how and why games are being developed, and the different strategies developers use to market their games. This course also covers social and significant issues related to games, serious games, and educational games. *Lecture: 3 units. Credit: 3 units. Prerequisite: EMC C201, EMC C203*.

EMC C603. Game Programming 2. Designed to introduce students to programming career opportunities in games, entertainment, interactivity, and creative industries. This course covers specific algorithms and technologies used in game development and builds on the students' core design and programming skills. Students cover more advanced development techniques as well as learning how to develop using industry standard game engines. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C602, EMC C608*.

EMC C604. Game Programming 3. This course will let students work together as teams to design and produce a playable game. This project closely mirrors the real-world production cycle in a game development studio, covering the entire process from pitching the game idea, through writing game design documents, evaluating technical requirements, post processing, managing workload, meeting deadlines, delivering commercial quality artwork and animation, bug-fixing, QA testing and market analysis of the game. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C603*.

EMC C608. Object-Oriented Programming in Games. This course introduces object-oriented programming from a game development perspective. Major topics include data structures, recursion, exceptions, classes, inheritance, and polymorphism. It introduces game mechanics and systems, essential programming methods to implement in video games, and the students will learn how games are structured and how to modify and maintain codes easily. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: ITC C202*.

EMC C609. Advanced Game Design. This course will cover a deeper understanding of game design. This course is about level design, mechanics, and gameplay. This course will teach students how to design, test, and tune the core mechanics of a game, from a huge role-playing game to a casual mobile phone game, to table-top games. This involves playtesting and deconstruction of different types and genres of games. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C204, EMC C603.*

EMC C610. Applied Game Physics. This course involves the introduction of the laws of physics into a simulation or game engine, particularly in 3D computer graphics, to make the simulations appear more realistic to the audience. This course aims to reproduce physical phenomena using computer graphics and animation. In general, these simulations apply numerical methods to existing theories to obtain results that are as close as possible to what we observe in the real world. This allows us to predict and carefully analyze how something would behave before development. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C601.*

EMC C611. Game Production. This course will talk about how the video game industry works by learning the tools, skills, and methodologies used to create and produce video games. Students will be divided into teams to create, market, and sell games. This course will cover the game development pipeline and game development life cycle. This course will cover topics from pre-production to market release and maintenance. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C302.*

EMC C612. Artificial Intelligence in Game Development. This course will cover the development of artificial intelligence for games. From decision making, navigation, and pathfinding, combat and behaviors, to self-learning AI and unpredictable game environments. Students will learn how to program their own AI and develop their unique behaviors and implement it in video games. This course will also cover machine learning and analytics. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C603.*

EMC C613. Game Art and Asset Development. This course will teach students how to create game-ready/ animation-ready art and assets. They will learn different elements and techniques needed in creating a 2D/ 3D game. This course will cover the creation of icons, interface, characters, and environments, as well as animation and animated cut scenes. This course will focus on the creative and artistic side of game development with a technical twist in optimization and production. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C201, EMC C602A.*

EMC C614. Multi-Player and Network Games. This course will cover the topics of network games and multiplayer games, from locally hosted network games to online game services. This will cover topics that utilizes cooperative play and competitive multiplayer games. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: EMC C603.*

EDUCATION, ARTS, AND SCIENCES

DEPARTMENT OF EDUCATION

EDU 13. The Teaching Profession. Students are given knowledge of being a classroom teacher, community teacher, and global teacher. This course emphasizes professionalism to cover teacher status and levels of expertise to improve learners' competencies. This course provides the philosophical, historical, and legal foundations of education that transform future teachers in valuing teaching as a profession, mission, and vocation. This course serves as an introduction, as well as an orientation for future teachers in knowing, processing, and evaluating the cognitive, affective, and psychomotor skills of their learners, being the key factors of learning inside the classroom. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

EDU 14. Child and Adolescent Development. This course primarily focuses on the current research and theory on child and adolescent development with regard to the biological, linguistic, cognitive, social, and emotional dimensions of child and adolescent development. Moreover, it also entails a discussion of the factors that affect the progress of an individual's development. Particular emphasis is given to the factors that have been identified as having positive or negative effects on the natural course of these developmental processes. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

EDU 19. Principles of Teaching. Aspiring teachers will be introduced to the complex nature of the teaching-learning process. This course deals with principles associated with different instructional strategies and techniques, curriculum, problems, classroom management, assignment, and the art of questioning. It also introduces potential grade school and high school teachers with knowledge and understanding of the course area, which includes foundation disciplines, structural components, models of teaching, and assessment strategies. These will provide students with theoretical underpinnings in teaching and developing concepts, skills, attributes, and values related to their course areas. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

EDU 29. Educational Technology. This course is carefully designed to compare and contrast both traditional and innovative instructional materials and their affordances to facilitate and foster meaningful and engaging student learning. Students are expected to demonstrate a sound understanding of the nature, application, and production of the various types of educational materials and resources using apps and teaching tools for technology. The course will likewise focus on developing future teachers to design appropriate resource materials. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU 40. Curriculum Development. This course introduces education students to effective curriculum design and assessment. Topics covered in this course include curriculum models, principles, and approaches in designing, delivering and assessing the curriculum. Furthermore, learners will identify the types of curriculum operating in schools. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU 45. Assessment of Learning. This course allows students to have a deeper understanding of the level and quality of student learning in each program of study through hands-on experiences in selecting, constructing and evaluating conventional, authentic, and alternative assessment tools used in the learning environment based on the principles of testing. In addition, it also covers creating effective assessments through providing feedbacks on individual progress toward the course or course goals and generating meaningful information about collective student performances, and having effective and reliable documentation of student learning in ways that are personally useful and that contribute to the program level assessment of students' learning. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C201. The Teaching Profession. This course deals with the teacher as a person and as a professional within the context of national teacher standards and other global teachers' standards, professional and ethical values, awareness of professional rights, privileges, and responsibilities, as well as their roles in society. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C202. The Teacher and the Community, School Culture, and Organizational Leadership. This course focuses on society as a context upon which the schools have been established. Educational philosophies that are related to society as a foundation of schools and schooling shall be emphasized.

Further, principles and theories on school culture and organizational leadership shall be included to prepare prospective teachers to become school leaders and managers. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C203. The Child and Adolescent Learners and Learning Principles. This course focuses on child and adolescent development with an emphasis on current research and theory on biological, linguistic, cognitive, social, and emotional dimensions of development. Further, this includes factors that affect the progress of development and shall include appropriate pedagogical principles applicable for each developmental level. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C301. Assessment of Learning 1. This is a 3-unit course that focuses on the principles, development, and utilization of conventional assessment tools to improve the teaching-learning process. It emphasizes the use of testing for measuring knowledge, comprehension, and other thinking skills. It allows students to go through the standard steps in the test construction for quality assessment. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C302. Assessment of Learning 2. This is a 3-unit course that focuses on the principles, development, and utilization of alternative forms of assessment in measuring authentic learning. It emphasizes how to assess process-and product-oriented learning targets as well as effective learning. Students will experience how to develop rubrics for performance-based (e.g., portfolio) assessment. *Lecture: 3 units. Credit: 3 units. Prerequisite: EDU C301.*

EDU C303. Foundation of Special and Inclusive Education. Philosophies, theories, and legal bases of special and inclusive education, typical and atypical development of children, learning characteristics of students with special educational needs, and practices in the continuum of special inclusive education. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C304. Technology for Teaching and Learning 1. This course is designed to engage students in utilizing the basic learning theories and principles for the design, development, implementation, and evaluation of instruction using educational technology. The course will provide an opportunity for students to take on innovative challenges in harnessing information technology at the core of instruction. The prospective teacher will be exposed to both traditional and innovative technologies to facilitate and foster meaningful and effective learning, where practical experiences and actual classroom observations, and the application of technology in learning constitute the major requirement of the course. Online and offline research and field observation on the effectiveness of any supporting material in teaching will be used to enhance and facilitate the delivery of instruction in learning how to teach process. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BEED: EDU C203.*

EDU C305. Technology for Teaching and Learning 2 (Instrumentation & Technology in Mathematics). TTL 2 is a 3-unit course that focuses on the application, design, production, utilization, and evaluation of Information and Communications Technology (ICT) materials for teaching and learning in Mathematics Education Programs. The major requirement for this course is an ICT-integrated and Project-based Learning Plan aligned to the K to 12 curricula. All the learning activities and course requirements will revolve around the student-teacher-developed learning plan. *Lecture: 3 units. Credit: 3 units. Prerequisite: EDU C304.*

EDU C306. The Teacher and the School Curriculum. This course shall emphasize the more active role of the teacher in planning, implementing, and evaluating the school curriculum as well as in managing school curriculum change vis-à-vis various contexts of teaching-learning and curricular reforms. Fundamental concepts and principles in curriculum and curriculum development shall provide the foundation to engage prospective teachers as curricularists. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

EDU C307. Facilitating Learner-Centered Teaching. This course explores the fundamental principles, processes, and practices anchored on the educational philosophy of learner-centeredness. Aside from providing a brief topical survey of the modern theories and research on learning, it is also designed to begin with or to culminate in field experiences that engage students in problematizing, prioritizing, and performing learner-centered teaching. The interconnectedness of local, regional, national, and international contexts, challenges, and considerations in carrying out the goals of learner-centered teaching is likewise given emphasis. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

EDU C308. Building and Enhancing Literacy Skills across the Curriculum. This course introduces the concepts of literacy as a collection of shared cultural practices and evolving social phenomena. The course will provide a series of field-based and interdisciplinary explorations, which will lead students to characterize a literate person as having a wide range of skills, competencies, abilities, and attitudes that are transferable across learning areas. As such, learning opportunities shall focus on examining, problematizing, and simulating the age. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BEED: EDU C203.*

EDU C310. Remedial Instruction. This course deals with the strategies and methods of contemporary English language teaching. This is geared for English language learners who are faced with difficulty in communicative competence in one or more domains. It provides actual remediation through hands-on practice and various situational case studies. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

EDU C401. Field Study 1. This field study course is divided into three areas. The first is to provide education students the opportunity to verify the behavior of the child in the actual learning environment. The second area provides students with learning opportunities to examine the application of teaching theories and principles in the learning environment. It is given a chance to develop and try out learning tasks, instructional material, and assessment tools. The third area seeks to enrich students' experiences in developing and utilizing appropriate technology to facilitate learning. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BSED Eng & Soc Sci: EDU C301, EDU C302.*

EDU C402. Field Study 2. This field study course is divided into three areas. The first is to provide education students the opportunity to verify the behavior of the child in the actual learning environment. The second area provides students with learning opportunities to examine the application of teaching theories and principles in the learning environment. It is given a chance to develop and try out learning tasks, instructional materials, and assessment tools. The third area seeks to enrich students' experiences in developing and utilizing appropriate technology to facilitate learning. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BSED Eng & Soc Sci: EDU C301, EDU C302; For BSED Math: EDU C401; For BEED:*

EDU C403. Research in Education 1. This course aims to prepare prospective teachers to undertake an undergraduate research project. It allows teachers to conduct research that addresses problems, issues, and concerns in teaching and learning. It also showcases their research skills through the application of content and processes they have learned previously. *Lecture: 3 units. Credits: 3 units. Prerequisite: None*.

EDU C404. Research in Education 2 (same as EDU C403.)

EDU C405. Integrated Course 1. It is a review program designed to sustain the passing percentage of Education graduates in the Licensure Examination for Teachers. Its long-term impact is to instill a culture of excellent performance in the LET by improving students' ability to recall, understand, analyze, apply, synthesize, and evaluate basic teaching concepts and principles. Likewise, enhancing their test-taking skills through Outcome-based Education (OBE) Post-test, Mock board, and Pre-Board exams, utilizing a Qualification Framework based on the Table of Specifications prescribed by the Professional Regulatory Board of Teachers. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BSED Eng& Soc Sci: EDU C301, EDU C302; For BEED: EDU C201, EDU C301, EDU C302, EDU C305, EDU C306.*

EDU C406. Integrated Course 2. It is a review program designed to sustain the passing percentage of BS Education graduates in the Licensure Examination for

Teachers. Its long-term impact is to instill a culture of excellent performance in the LET by improving students' ability to recall, understand, analyze, apply, synthesize, and evaluate advanced teaching concepts and principles. Likewise, it enhances their test-taking skills through Outcome-based Education (OBE) Post-test, Mock board, and Pre-Board exams utilizing a Qualification Framework based on the Table of Specifications prescribed by the Professional Regulatory Board of Teachers. *Lecture: 3 units. Credit: 3 units. Prerequisite: For BSED Eng, BSED Soc Sci & BEED: EDU C405.*

EDU C408. Teaching Internship. This course provides the actual teaching experience required of all seniors under critical teachers for one semester. The semester is divided into periods of orientation, on-campus teaching, and evaluation. *Lecture:6 units. Credit: 6 units. Prerequisite: EDU C301, EDU C302, EDU C305, EDU C306.*

EDU C501. TSEG Biology and Chemistry. This course focuses on teaching Biology and Chemistry in the elementary grades. Topics on cell and cellular life processes, as well as the different systems of human biology, are included. Because cells are composed of molecules, topics on general chemistry include atoms and molecules, chemical reactions, and chemical bonding. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

EDU C502. Teaching Science in the Elementary Grades (Physics, Earth and Space Science). This course includes an understanding of spiraling basic science concepts and application of scientific inquiry in Physics and Earth and Space, strategies in teaching elementary science, development of instructional materials, and assessment. Content topics in Physics include Force and Motion and Energy, while Earth and Space Science include Geology, Meteorology, and Astronomy. *Lecture: 3 units. Credits: 3 units. Prerequisite: EDU C501.*

EDU C503. Teaching Math in the Primary Grades. This course equips prospective teachers with pedagogical content knowledge for the teaching of basic content in mathematics at the primary level. Understanding of key concepts and skills of whole numbers up to 10,000, fractions, measurement, simple geometric figures, pre-algebra concepts, and data representation and analysis are applied using appropriate technology. Teaching strategies include problem-solving, critical thinking, differentiated instruction, and inquiry-based learning, with the use of manipulatives based on cultural context, which will be emphasized. *Lecture: 3 units. Credits: 3 units. Prerequisite: None.*

EDU C504. Teaching Math in the Intermediate Grades. As preparation for teaching in the intermediate grades, this course emphasizes the integration of

technological pedagogical content knowledge that includes topics on rational numbers, measurement, geometric figures, pre-algebra concepts, application of simple probability, and data analysis. This course is capped with microteaching that utilizes appropriate teaching strategies for the development of critical and problem-solving reasoning, communicating, making corrections, representations, and decisions in real-life situations. *Lecture: 3 units. Credits: 3 units. Prerequisite: EDU C503.*

EDU C505. Teaching Social Studies in Elementary Grades - Philippine History and Government. This course emphasizes the contents of Philippine History and Government that are necessary for teaching at the elementary level. Further, appropriate teaching strategies and assessment methods shall be included to prepare students to become elementary grade teachers. *Lecture: 3 units. Credits: 3 units. Prerequisite: None*.

EDU C506. Content and Pedagogy in the Mother-Tongue. This course includes both the content and the pedagogy of the mother tongue. The course matter content includes the structure of the mother tongue as a language, literature in the mother tongue, methods and techniques of teaching the language, development of instructional materials, and assessment. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C507. Teaching Social Studies in Elementary Grades (Culture and Geography). This course aims to equip the students in the BEED program with a strong background in local history and culture. This background serves as an avenue for further inquiry of the available resources in the community for the localization and contextualization of the teaching of elementary courses. Areas to be studied include the natural heritage of the locality, tangible and intangible culture that is of great significance to the socio-economic and political activities of the people in the place. In the end, they are expected to come up with the profiling of available cultural resources in the community. *Lecture: 3 units. Credits: 3 units. Prerequisite: None*.

EDU C509. **Pagtuturo ng Filipino sa Elementarya I-Estruktura at Gamit ng Wikang Filipino**. Pagsanay ng paggamit ng estruktura at gamit ng Wikang Filipino sa pagtuturo sa elementarya. Sumasaklaw sa deskriptibongpag-aaral ng wikang Filipino sa lebel ng polohiya, morpolohiya, sementikas at sintaks. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C510. Edukasyong Pantahanan at Pangkabuhayan (1). This course shall include pedagogical content, knowledge, and skills in technology and livelihood education necessary in teaching and learning at the elementary level. Selected topics in home economics, industrial arts, technology, and livelihood

education shall form a major part of the course. The experiential learning approach shall be the focus of this course. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C511. Good Manners and Right Conduct (Edukasyon sa Pagpapakatao). Anchored on the essential component of personhood that deals with intra/interpersonal relationships that allow harmony with oneself, with others, and the environment, this course will highlight the fundamental rules of good manners and appropriate conduct or behavior of each learner, which are necessary for the formation of character that embraces the core values of maka-Diyos, Maka-Tao, Maka-Bansa, and Maka-kalikasan. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C512. Teaching Multi-Grade Classes. This is a course in the implementation of a multi-grade course that deals with the theories, principles, and concepts of multi-grade learners and classes. It includes pedagogical approaches and contextualized learning environments for the different grade and age levels are grouped for instructions in different school situations. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C514. Teaching PE and Health in the Elementary Grades. This course deals with the educational foundations of Physical Education as these apply to teaching and learning in the elementary grades. Various teaching strategies and assessments appropriate for each area shall be emphasized in the course. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C515. Teaching English in the Elementary Grades (Language Arts). This course will emphasize English as a second language with the main focus on language teaching methodologies to improve knowledge of the structure and fluency in the English language through listening, reading, writing, speaking, and viewing. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C516. Pagtuturo ng Filipino sa Elementarya II-Panitikan ng Pilipinas. Paggamit ng mg aiba't ibang anyo ng literatura ng Pilipinas galing sa sarili at iba't ibang rehiyon sa pagtuturo, produksyon (at assessment) na angkop sa elementarya. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C517. Teaching English in the Elementary Grades through Literature. This course will focus on Children's literature in English to include riddles, poetry, stories, drama, and other written works as an avenue to teach the English language. Teaching methodologies in the use of literature shall be emphasized. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C518. Edukasyong Pantahanan at Pangkabuhayan with Entrepreneurship. This course shall include pedagogical content, knowledge, and skills in technology and livelihood education necessary in teaching and learning at the elementary level. Selected topics in agriculture arts, fisheries arts, and livelihood education, and entrepreneurship shall form a major part of the course. The experiential learning approach shall be the focus of the course. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C519. Teaching Arts in the Elementary Grades. This course deals with the educational foundations of Arts as these apply to teaching and learning in the elementary grades. Various teaching strategies and assessments appropriate for each area shall be emphasized in the course. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C520. Technology for Teaching and Learning in Elementary Grades. This course is designed for prospective teachers to develop and use digital and non-digital learning resources using technology tools appropriate in various course areas at the elementary level. Further, the course will provide opportunities for students to use technology tools to develop project-based collaborative activities and share resources among communities of practice. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C521. Teaching Music in the Elementary Grades. This course deals with the educational foundations of Music as it applies to teaching and learning in the elementary grades. Various teaching strategies and assessments appropriate for each area shall be emphasized in the course. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C602. Principles and Theories of Language Acquisition and Learning. This is a theoretical course that aims to explain the theories of the origin of human language, language acquisition, and its development. It is also a general introduction to scientific research into how people learn a second language. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C604.Language Programs and Policies in Multilingual Societies. Provides a survey of local and international basic education language programs and policies that account for issues and considerations relevant to the engagement of teachers in school settings. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C111*.

EDU C606. Language Learning Materials Development. It develops the application of the principles, methods, and approaches of translation and adaptation of various texts. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C804. Principles and Methods of Teaching & Strategies in Mathematics. The course deals with the applications of the principles, the strategies in teaching, and the philosophical foundations of teaching mathematics. These are then applied in lesson planning and microteaching. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C806. Assessment and Evaluation in Mathematics. The course deals with traditional and authentic assessment methods for evaluating mathematics learning. It covers the purposes of instruction and assessment, the relationship of assessment to content and performance standards, and discussions on the issues and trends in assessment, specifically in mathematics teaching. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C901. Teaching approach in Secondary Social Studies. This course provides a comprehensive overview of evidence-based strategies and approaches for planning, implementing, managing, and assessing effective learning experiences for students with an emphasis on the relationship of educational theory and the development of practical teaching techniques and strategies for teaching Social Studies effectively in the secondary classroom. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C902. Assessment and Evaluation in Social Science. The course provides principles, theories, and different methods of assessment procedures in education. It will equip students to gain knowledge, skills, and competencies in developing and utilizing appropriate and effective traditional and authentic assessment tools for formative and summative assessment/evaluation of learners' performances. The students will also learn about current and global trends in assessment and evaluation. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C904. Production of Social Studies Instructional Materials. The course provides students with the theoretical, philosophical, and empirical bases for the design, development, and implementation of the Social Studies Curriculum. The focus will be on understanding the philosophy, design, content, and process of the present social studies curriculum being used. Students will be exposed to the different perspectives and models of the curriculum in social studies. They are also expected to review, implement, and evaluate the existing social studies curriculum. *Lecture: 3 units. Credit: 3 units. Prerequisite: None*.

EDU C906. Property and Resources Management for Education. Property and Resource Management helps schools effectively use educational funding. In this lesson, you'll learn how school administrators and staff can use

evaluation and maximization to manage resources in education. *Credit: 3 units. Prerequisite: NONE.*

EDU C908. Integrative Methods in Teaching Social Science Discipline in Basic Education. The course provides the students with the basic concepts and practice of integrative teaching, which is grounded in disciplines that value questions, investigations, and a desire to understand the world and its people better. The course will focus on connecting skills and knowledge from multiple sources and experiences, understanding issues, and utilizing diverse and even opposing perspectives. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

EDU C910. Human Resources Management. The students are expected to know the theories and models of Human Resource Management. The course is geared towards developing interpersonal skills to improve productivity and morale in the organization by knowing the inner behavioral tools to motivate people to get things done in meeting organizational goals and standards. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

DEPARTMENT OF HISTORY AND SOCIAL SCIENCES

HIS C102. Survey of Asian Civilization. This course is a general outline of the significant periods in the history of Asian Civilizations, a historical survey that emphasizes the internal dynamics of Asian societies, cross-border exchanges, and influences. The focus in this course is on the political institutions, social and economic structures, religious and philosophical beliefs, and cultural and historical changes that shaped the civilizations within the area. The introduction of this course is to augment students' critical understanding of the different aspects of societies and to further their explorations beyond the foundations of Asian Civilization. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

HIS C103. Introduction to the Study of Writing of History. This course will focus on the meaning and relevance of history and the important role that historians play in society. It will discuss the primary activities of the historians, their assumptions and limitations, and their social responsibility to society. It will train students to evaluate evidence, organize information, clarify and structure concepts, and write historical narratives. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

HIS C201. Historical Methodology. This is an introductory course on historical methodology, analysis, and approaches. The course aims to familiarize the students with the techniques and guidelines employed by the historians in utilizing primary sources and other historical evidence (including important archeological evidence) to do research and to write accounts of the past. To achieve this endeavor,

students are exposed to philosophical theories and practical skills employed by academic historians in practicing the discipline. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C103, HIS C305.*

HIS C202. Political Science. The course deals with systems of governance and the analysis of political activities, political thoughts, and political behavior. It deals extensively with the theory and practice of politics, which is commonly thought of as determining the distribution of power and resources. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

HIS C203. Survey of Western Civilization. This course covers the study of Western Civilization from the classical period to modern times. The aim is to identify the broad patterns of societal changes, identify the causes and effects of major wars and conflicts, describe the development of religion and philosophy, and evaluate the impact of the sciences and arts on people's way of life and thinking. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

HIS C204. Pre-16th Century Philippines. This is a study of the political-economic and cultural conditions of the Baranganic Era, the early trading relations with the Chinese, Arabs, and Indians, and their influences and civilization bestow to the Muslim-influenced Malays. Social organization and its impact on the ruling Chieftain are substantially discussed. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

HIS C205. World History 1. This course gives students an overview of the major events and developments in European history, from ancient times to roughly 1700. We will look closely at several of the western world's most prominent forebears, including the ancient civilizations of Egypt and the Mideast; classical Greece; the Roman Republic and Empire; medieval England and France; and the European nations transformed by the Renaissance. We will also examine a number of crucial intellectual, political, artistic, and social developments, including the establishment of agriculture; the appearance of cities; the invention and refinement of writing; the influence of wars and empires; the formation and growth of Judaism, Christianity, and Islam; the role of the artist in society; and the evolution of key ideas about human life and possibility. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C207.*

HIS C206. Mainland Southeast Asia. This course provides insights into the historical development of mainland Southeast Asia, or the Indochinese Peninsula, by looking into the political, economic, cultural, and religious trends in the region from ancient to contemporary times. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C207.*

HIS C207. Island in Southeast Asia. This course is a study of the historical development of Maritime Southeast Asia or the Malay Archipelago covering the ancient maritime culture and trade, western colonization, decolonization, and the contemporary issues affecting the region. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

HIS C208. Philippine Cultural History. This course is a study of the religion, culture, and intellectual development of the Filipino people. It emphasizes the influence of Catholicism, education, arts, and Protestantism as brought by the Americans to the Philippine soil, which contributed to the formation of the Filipino nation. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C101.*

HIS C210. World History. This course is the study of the age of scientific, political, social, religious, and economic changes that brought about modern civilization. It also brings about an understanding of revolutions, modern conflicts, challenges, controversies, and their causes. Major themes such as exploration, colonialization, technological development, and social integration will be examined, leading to the creation of the contemporary world. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C205.*

HIS C302. Ethnic Histories. This course studies the important cultural identities of the various tribal communities in the Philippines and the implications of permanent settlers as well as their unique cultural impact on the formation of nationhood. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C101.*

HIS C303. History of the United States. This course briefly studies the migration and discovery of what is now the United States. Moreover, it has a major emphasis on the political, economic, social, cultural, and unique religious aspects of life in North America. Also, how the United States entered into World War and other recent wars of the century, and how it is related to the idea of democracy communism, and terrorism. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C203.*

HIS C304. Islamic History as Global History. This course explores the origin of Islamic civilization as a continuing unique role in shaping the continents of Africa, Asia, and Europe. More emphasis on this course is the main teachings of Islam, the impact of Islam in the contemporary development of the world, and the relations of Islam to other world religions. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

HIS C305. Philosophy of History. This course will examine how major philosophers look unto history. The investigation includes the historical processes, patterns, and development of history, as well as the tools and modes used by

historians to approach and understand their material. There is a focus on the philosophical and theoretical foundations of the principles of history along the different periods and their application to further develop history as an academic discipline. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C103.*

HIS C307. Modern and Contemporary Europe. This course examines the relationship between cultural studies and the modern and contemporary issues that arise out of European Culture. It will explore the competing beliefs, goals, and ideologies brought about by the diversity of its nations. At the end of the course, learners are expected to demonstrate a thorough understanding of Modern and Contemporary European Culture. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C203.*

HIS C309. Philippine Social and Political History. This course will look at the social and political landscape from its early beginnings as recorded with particular attention to the political and social structure as it interacted and related to foreign forces coming from Spanish and American colonial rule. This course will look at the problems of separation and integration that confront Philippine society. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C101.*

HIS C310. Philippine Diplomatic History. This course analyzes Philippine Foreign Policy goals and processes, focusing mainly on domestic and international think tanks of foreign policies as applied to a given time frame. Foreign policy is defined as the course of action taken by the state vis-à-vis another state. Foreign policies differ individually from the Chief Executive of the Third Republic to the present administration. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C101.*

HIS C311. Philippine Economic History. This course is a study of the development of the Philippine economy. Among possible areas of study are the impact of colonialism on the Philippine economic structures, the growth of Philippine indigenous society as the result of the incorporation of the Philippine economy with the Galleon trade, the introduction of the hacienda system, eighteenth-century economic reforms, the tobacco monopoly, the introduction of free trade under Americans and the post-war industrialization. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C101.*

HIS C401. Nationalism and Revolution. This course explores the pre-conditions on the emergence of Filipino national consciousness in the latter part of the Spanish colonial period and the evolution of nationalistic ideology from the propaganda movement for colonial reforms, through the Revolution of 1898 and the

American period, to the present bloodless revolutions fought in recent history. *Lecture: 3 units. Credit: 3 units. Prerequisite: HIS C101.*

HIS C402. Modern East Asia. This course is a study of important countries: China, Japan, and Korea, with their deeply rooted cultural, political, and religious connections, and the other neighboring countries that greatly affect the apex of Asian civilization. In general, the evolution of Asian nations provides pathways within the Western intellectual and political influences, leading to robust cultural modernity. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

SOC C101. Asian Studies. The course examines the development perspectives in Asian countries, cultures, and values as well as issues and challenges, historical roots, and Asian responses. The course is designed to enable students to make a comparative study of Asian societies. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

SOC C102. Socio-Cultural Anthropology. The course deals with kinship, political economy, and other social dimensions of human societies. It aims to familiarize the basic ideas, issues, concepts, and principles of anthropology. *Lecture: 3 units. Credit: 3 units Prerequisite: NONE.*

SSC C101. Foundation of Social Studies. The course focuses on the study of nature, history, philosophical, and theoretical perspectives in Social Studies/Science as a body of knowledge. It also deals with the comparative analyses and relationships of the various Social Sciences disciplines. *Lecture: 3 units. Credit: 3 units Prerequisite: NONE.*

SSC C103. Geography 1. The course studies the world, its people, communities, and cultures with an emphasis on relations of and across space and place. It analyzes geopolitics and its principles, cultures of the world, and their relation to the environment. It focuses on how culture is shaped by the environment and vice versa. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

SSC C104. Geography 2. The course provides students with basic geographic skills and tools utilized in understanding the geography of the Philippines and the world. The course explains the spatial characteristics of the various natural phenomena associated with the Earth's hydrosphere, biosphere, atmosphere, and lithosphere. *Lecture: 3 units. Credit: 3 units. Prerequisite: SSC C103.*

SSC C201. Places and Landscape in a Changing World. The course explores the concepts and dynamics of people and activities from various locations,

describing the locations and patterns of human activity, exploring processes and patterns with a historical lens, and understanding the relationship of the natural environment to the other aspects of human behavior. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

SSC C202. Geography 3. The course provides students with basic geographic skills and tools utilized in understanding the geography of the Philippines and the world. Map Reading skills like understanding and interpreting symbols, statistics, graphs, images, and keys, finding grid reference, as well as measuring distance and gradient. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

SSC C204. Comparative Government and Politics. This course introduces students to basic processes, outcomes, and policy in the political setting. It will compare the world's political structures and functions, specifically contemporary issues, and how they impact institutional practices. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

SSC C206. Trends and Issues in Social Sciences. This course will explore the trends and issues in social studies within the context of a rapidly changing world and will employ multidisciplinary and interdisciplinary approaches in discussing and exploring the various trends and issues in Social Studies. It will cover the various challenges affecting the social science curriculum. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

SSC C304. Geography. This three-unit focuses on the role of culture in shaping places, regions, and landscapes. Human and Cultural geography is concerned with making sense of people and the places they occupy through analyses of cultural processes, cultural landscapes, and cultural identities. The course introduces culture from a geographical perspective, focusing on how culture and geography affect work in place and how they are embedded in everyday life. The course gives students an appreciation for not only how cultures are geographically expressed, but also how geography is a basic element in the constitution of culture. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

DEPARTMENT OF LANGUAGES

ENG C104. Theories of Language and Learning Acquisition. This is a theoretical course that aims to explain the theories of the origin of human language and language acquisition and its development. It is also a general introduction to scientific research into how people learn a second language. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C101.*

ENG C105. History of the English Language. This course explains the external (historical, political, cultural forces) and internal (changes in the language features) histories of the English language such as basic concepts of linguistics, principles of language change and historical linguistic study, the development of the English language, and basic applied sociolinguistics. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C106. Multilingualism and Multiculturalism. The course is designed to provide students with an introduction and overview of the disciplines of multilingual and multicultural education. It also provides opportunities for the students to discuss global issues about literacy in multilingual and multicultural contexts. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C217.*

ENG C107. Introduction to the English Language System. The course introduces students to the nature and essential features of language and linguistics, which provides an overview of the phonological system, morphological system, syntactic system, and semantic system of the English language. It gives an introduction to discourse as well as language acquisition and language change. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C108. Speech with Argumentation and Debate. The course expects students to sharpen both their communicative skills and critical thinking skills by distinguishing the vital and the significant, valid evidence, and sound reasoning presented clearly and effectively. Principles, theories, and concepts are actualized through classroom argumentation and basic classroom debates on controversial issues that govern our everyday lives and are addressed formally or informally for added knowledge, information, and enlightenment. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C101.*

ENG C109. Introduction to Linguistics. This course is an introductory survey of linguistics, focusing on natural language phenomena and the methods and findings of linguists seeking to understand them. This course addresses the following sub-domains of linguistics, such as Phonetics, Phonology, Morphology, Syntax, Semantics, Pragmatics, Historical linguistics, and Sociolinguistics. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C111. Language, Culture, and Society. The course examines language in its social context, how students explore the great diversity of languages, and develop an understanding of the genetic and geographical ties among them and examine the relationship of linguistic variation to social and cultural identity. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C113. Structures of English. The course introduces students to the nature and essential features of language and linguistics, which provides an overview of the phonological system, morphological system, syntactic system, and semantic system of the English language. It gives an introduction to discourse as well as language acquisition and language change. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C201. English Phonology and Morphology. The course deals with the study of the patterns and systems of sounds and the structure and formation of words in the English language. Theoretical information will be combined with practical examples. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C104.*

ENG C202. Semantics of English. The course deals with the meaning of the level of lexemes or words, vocabulary structure, phrases, and sentences, as well as collocations in the English language. *Lecture: 3 units. Credit: 3 units Prerequisite: ENG C104, ENG C403.*

ENG C203. English Syntax. The course centers on the analysis of the structures of phrases and sentences of the English language. It introduces the students to basic word structure, parts of speech, description, and analysis of various types of phrase structure and sentence structure, prescriptive versus descriptive approaches to grammar, stylistic and dialectal variation in English syntax, and grammaticalization and language change. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C104, ENG C403.*

ENG C205. Foundation of English Language T&L. The course addresses the theory and principles of practices for classroom English language situated at the intersection of teaching, designs, and methods relevant to learning, which informs knowledge of language acquisition and human learning processes. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C201, ENG C202, ENG C203.*

ENG C206. Language of Literary Texts. The course introduces various approaches to the study of different literary genres, such as poetry, fiction, nonfiction, and drama. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C201, ENG C203.*

ENG C207. English Language Curriculum and Development. The course introduces the students to the basic principles and frameworks of curriculum development for students' achievement. It analyzes the existing English language curricula based on how they address specific concerns and contexts in higher education. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C306, ENG C401.*

ENG C209. Teaching and Assessment of Literature Studies. The course explores the basic pedagogical theories, teaching strategies, philosophical influences, and movements in literature as they affect teaching. *Lecture: 3 units. Credit: 3 units. Prerequisite: EDU C602.*

ENG C210. Children and Adolescent Literature. This course is a study of the world's literature for children and adolescents. Children's literature that has been written in English by Filipinos and translated from Philippine dialects forms a major portion of the course. The course (a) familiarizes the students with the content, form, and scope of children's literature, (b) assists in the selection of appropriate materials for specific learning, (c) develops effective presentation techniques, such as story-telling, dramatization, and choral reading, and (d) creates simple poems and stories for children with an emphasis on the sense of humanism and Filipinism. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C211. Teaching and Assessment of Macro Skills. It explores the nature of reading and the theoretical bases, principles, methods, and strategies in teaching and assessing reading. It aims to familiarize students with various strategies for re-reading, during reading, and post-reading. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C213. Teaching and Assessment of Grammar. The course familiarizes the students with the method of teaching grammar and develops the ability to use the meta-language of grammar with ease, and explains the form, meaning, and use of the elements of grammar. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C214. Survey of Philippine Literature in English. It is an intensive analysis and exploration of the great literary works from multiple cultures, selected based on a common theme, genre, historical period, and/or geographical area. The emphasis shall be on literature as an expression of human values, feelings, and concerns, and a reflection of national culture. The relationship of literary works to other art forms such as painting, sculpture, architecture, and music is explored in this course. *Lecture: 3 units. Credit: 3 units Prerequisite: NONE.*

ENG C215. Speech and Theater Arts. The course examines the process of oral communications and the various forms of speech arts, from public speaking and group discussions to debate, oral interpretation, and dramatics. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C217. Introduction to Language, Society, and Culture. Same as ENG C111.*Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C104, ENG C403.*

ENG C301. English Discourse. The course focuses on the study of spoken and written English above the sentence level. It provides the necessary critical analytical skills to be able to integrate and synthesize ideas and approaches to undertake a robust analysis of authentic discourse, both spoken and written, derived primarily from professional settings. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C202, ENG C203.*

ENG C303. Stylistics. The course examines style in language; specifically, it deals with the application of linguistic devices for analyzing literary studies. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C206, ENG C307.*

ENG C305. Computer-Mediated Communication. The course discusses the social and linguistic features of various forms of texts brought about by information and communication technology, such as e-mail, instant messaging, video conferencing, Twitter, and social network sites that affect communication processes. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C102, ENG C104.*

ENG C306. English Language Testing and Assessment. The course provides a fundamental grounding in educational evaluation, test design, and test construction. The overall purpose of this course is to introduce the students to the main principles, methods, and design of English language tests and assessment instruments. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C103.*

ENG C307. Language for Non-Literary Texts. The course introduces students to various approaches to the study of non-literary texts, such as academic journals, legal documents, instructional manuals, recipes, etc. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C202, ENG C203.*

ENG C308. ELT Approaches and Methods. The course evaluates traditional and current approaches and methods of English language teaching. It develops the students' pedagogical knowledge and the basic skills needed to teach the English language efficiently. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C103, ENG C319.*

ENG C309. Contemporary Popular and Emergent Literature. This course explores the growth and development of Popular Literature from the post-World War Two era. This course will also provide an overview of the emergence of the key and variety of genres that significantly influenced contemporary literature and analyze formal features/developments and historical contexts to inform understanding of these literary works. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C310. Language and Journalism. The course equips students with competencies in writing editorials, news, and feature articles and editing, following the tenets of responsible journalism. Output for this course is a sample school paper. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C103, ENG C404.*

ENG C312. Creative Writing. It provides a study of the forms of discourse, stressing their essential features and characteristics, with a view to developing in the students the ability to write narrative, descriptive, expository, and argumentative compositions using representative reading selections as models. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C313. Literary Criticism. It is a survey of literary theories and criticism with an emphasis on the most prominent theories, texts, schools of thought, and ideas. It is a course in the history of specific ideas related to the theory and criticism of literary texts and how it is applied in terms of values formation and understanding. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C315. Survey of English and American Literature. This course presents the history of English literature from its early beginnings to the present with emphasis on the relation of literature to the political, economic, and religious context. Also, it includes the study of the writers, analysis of their works, and critical appreciation of their place in, and influence on Literature. The course includes collateral readings and methods of presenting them to children. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C317. Survey of Afro- Asian Literature. It provides a study of representative literary works by early and contemporary Asian and African writers. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

ENG C319. Special Topics in English across the Professions. The course explores special topics that address contemporary and evolving issues in English language studies across the professions. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C206, ENG C307.*

ENG C401. Instructional Materials Development and Evaluation. The course introduces the students to the theory, principles, and practice of instructional materials design and development. It equips students with skills to evaluate and develop various types of instructional materials in English suitable to the teaching and learning of a specific language objective. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C103.*

ENG C403. Language of Law. The course analyzes how language and

linguistics intersect with the law and discusses the nature of legal language as well as language in the legal process. *Credit: 3 units. Prerequisite: ENG C101, ENG C105, ENG C107.*

ENG C404. Issues and Perspectives in English across the Professions. The course equips the students with a survey of contemporary and evolving issues confronting the use of the English language across professions. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C206, ENG C307.*

ENG C406. Language of Advertising. The course critiques the linguistic text of advertisements as well as the context and other elements that accompany the verbal text. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C207.*

FLN C101. Foreign Language 1. This course aims to train students to develop basic conversational skills using a foreign language. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

FLN C102. Foreign Language 2. This course aims to train students to develop intermediate conversational skills using a foreign language. Students should be able to understand the technical jargon used in the tourism industry. This is the advanced training of the language learned in Foreign Language 1. *Lecture: 3 units. Credit: 3 units. Prerequisite: FLN C101.*

FLN C105. Spanish 1. The course allows the students to gain knowledge and conversational proficiency in the Spanish language, which introduces everyday language and includes activities to practice all four language skills, namely: reading comprehension, writing, listening comprehension, and speaking. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

FLN C106. Spanish 2. The course includes intensive instruction in conversation, reading, and writing with an emphasis on the refinement of Spanish language skills. *Lecture: 3 units. Credit: 3 units. Prerequisite: FLN C105.*

FLN C107. Spanish 3. The course provides detailed information about general themes and educates students to express with fluidity and to write lengthy compositions. The students should utilize communication strategies to maintain conversations in different contexts and situations. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

FLN C108. Spanish 4. The course allows the students to debate points of view, to expose arguments, and to utilize idiomatic expressions and other types of

resources that will allow the creative use of the language. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

FLN C109. Basic Mandarin. The course allows the students to gain knowledge and conversational proficiency of Chinese linguistic structures, which introduces everyday language and includes activities to practice all four language skills, namely: reading comprehension, writing, listening comprehension, and speaking. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

FLN C110. Advanced Mandarin. The course includes intensive instruction in conversation, reading, and writing with an emphasis on the refinement of Chinese language skills. *Lecture: 3 units. Credit: 3 units. Prerequisite: FLN C109.*

RES C401. Research 1. The course examines various methods of conducting research. It explains the entire process of doing research and how to conduct it with particular emphasis on designing a study emphasis on English language-related topics. *Lecture: 3 units. Credit: 3 units. Prerequisite: ENG C103, ENG C404.*

RES C402. Research 2 (Thesis). The course covers the process of writing a research-based thesis on English language-related topics. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C401.*

ABP C401. Practicum. The course is designed for Liberal Arts students to undergo 162 hours of off-campus apprenticeship in the industrial setting. This is to provide exposure and hands-on training on appropriate work-related information about the employer and the employer's site, safety, work readiness skills, career exploration and guidance, foundation knowledge, and skills, to name a few to apply and qualify for jobs needing experience in the student's chosen career. *Lecture: 3 units. Credit: 3 units. Prerequisite: RES C402.*

DEPARTMENT OF MATHEMATICS

MAT C102. Probability. This is an introductory course in probability covering axiomatic probability space, discrete and continuous random variables, special distributions, mathematical expectations, conditional probability and independence, multivariate distributions, Laws of Large Numbers, and the Central Limit Theorem. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C401.*

MAT C105. History of Mathematics. This course presents the humanistic aspects of mathematics, which provides the historical context and timeline that led

to the present understanding and applications of the different branches of mathematics. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

MAT C106. Trigonometry. This course is primarily designed to equip students with analytic and logical skills, where they can apply real-life problem-solving. The topic includes circular, trigonometric functions, trigonometric identities, right and oblique triangles, and polar coordinate systems. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C105, MAT C107.*

MAT C107. College and Advanced Algebra. This course builds on the student's knowledge on properties of the real number system, operations on different types of algebraic expressions, and the solution of various types of equations and inequalities. The course also covers the prerequisites to trigonometry and calculus, specifically transcendental and non-transcendental functions, including the characteristics of their graphs and applications. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

MAT C108. Plane and Solid Geometry. The course covers topics in Euclidean Geometry. The topics are discussed using both deductive and inductive methods to conjecture definitions, corollaries, postulates, and theorems on plane and solid geometry. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C105, MAT C107.*

MAT C110. Logic and Set Theory. This course is mathematical logic, which covers topics like propositions, logical operators, rules of replacement, rules of inference, and algebra of logic and quantifiers. It also includes a discussion of the elementary theory of sets, such as fundamental concepts of sets, set theorems, and set operations. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C105, MAT C107.*

MAT C201. Mathematical Finance. Mathematical Finance is an advanced course that applies mathematical techniques to analyze financial markets, instruments, and investment strategies. Building upon the foundational concepts introduced in Theory of Interest, this course delves deeper into the mathematical models and computational methods used in modern finance. Through a combination of theory, quantitative analysis, and practical applications, students will gain a comprehensive understanding of financial modeling, risk management, and derivative pricing. *Lecture. 3 units. Prerequisite: MAT C101, MAT C102, MAT C402, MAT C502,*

MAT C202. Linear Algebra. (For AB and BSED students). This course includes the study of systems of linear equations, matrices, determinants, vectors,

vector spaces, linear transformations, inner products, eigenvalues, and eigenvectors. During the semester, students will learn to recognize and express mathematical ideas graphically, numerically, symbolically, and in writing. *Lecture: 3 units. Credit: 3 units. Prerequisite: For AB: MAT C101, MATC107, MAT C110; For BSED: MAT C101, MAT C106, MAT C107, MAT C110, MAT C209*.

MAT C202. Linear Algebra. This course covers Matrix operations, real vector spaces, linear transformations and matrices, determinants, eigenvalues, and Eigenvectors. *Lecture: 3 units. Credit: 3 units. Prerequisite: BSCPE: EGR C201; BSECE: ECE C202; BSED: MAT C101, MAT C106, MAT C107, MAT C110, MAT C209; AB: MAT C101, MAT C107, MAT C110; BSAM: MAT C101, MAT C106, MAT C107.*

MAT C203. Discrete Mathematics. The course covers the fundamentals of logic and sets, the fundamental principles of counting, algorithms, and some concepts in graph theory. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MATC106, MAT C107.*

MAT C206. Number Theory. The course is a study of the properties of numbers and their proofs. It presents the students with different methods of mathematical proving. It focuses on the discussion of the set of integers that includes Unique Prime Factorization, Divisibility Rules, Euclidean Algorithm, Linear congruence, and Linear Diophantine Equations. *Lecture: 3 units. Credit: 3 units. Prerequisite: AB: MAT C101, MAT C107, MAT C110; BSED: MAT C101, MAT C105, MAT C 106, MAT C107, MAT C108, MAT C110.*

MAT C207. Modern Geometry. The first part of the course focuses on Euclidean and affine geometry on the plane. The second half may continue with Euclidean geometry on the sphere; alternatively, an introduction to finite geometries and the non-Euclidean hyperbolic and elliptic geometries may be given. This course interrelates and makes use of tools from Geometry, Linear Algebra, and Abstract Algebra. *Lecture: 3 units. Credit: 3 units. Prerequisite: AB: MAT C101, MAT C110; BSED: MAT C101, MAT C105, MAT C 106, MAT C107, MAT C108, MAT C110, MAT C206.*

MAT C208. Mathematics of Finance. The course introduces students to a basic understanding of the applications of mathematical concepts and skills in economics, business, and accounting. It includes determining the time value of money using simple and compound interest and discounting, variations of annuities, amortization, stocks and bonds, and sinking funds. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C107.*

MAT C209. Mathematics of Investment. The course introduces students to a basic understanding of the applications of mathematical concepts and skills in economics, business, and accounting. It includes determining the time value of money using simple and compound interest and discounting, a variation of annuities, amortization, stocks and bonds, and sinking funds. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C107, MAT C101.*

MAT C212. Fundamental Concepts of Mathematics. This course serves as an introduction to the fundamental mathematical concepts essential for the study and application of mathematics in various fields. It provides a solid foundation for understanding advanced mathematical principles and techniques. Topics covered include set theory, principles of logic, and methods of proof, relations, functions, integers, binary operations, complex numbers, matrices and matrix operations, and an introduction to mathematical systems. Emphasis is placed on both theoretical understanding and practical applications, with the aim of developing critical thinking skills and problem-solving abilities. *Lecture: 3 units. Prerequisite: MAT C101, Pre-calculus (Algebra & Trigonometry)*

MAT C301. Statistical Analysis with SW Applications. This course is an introduction to statistics and data analysis. It covers the following reasons for doing statistics, collection, summarization, and presentation of data, basic concepts in probability and hypothesis testing, with software applications. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

MAT C302. Mathematical Modeling. This course is an application of mathematics to various fields. It introduces discrete and continuous models, model fitting, and optimization. Applications involve real-world problems from business, engineering, and life sciences. Lectures are technology-integrated. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C106, MAT C107, MAT C207, MAT C110. BSAM: ITC C107, MAT C202, MAT C402.*

MAT C303. Abstract Algebra. This course covers groups, subgroups, cyclic groups, permutation groups, abelian groups, normal subgroups, quotient groups, homomorphism, and isomorphism theorems, rings, integral domains, fields, ring homomorphism, ideals, and the field of the quotient. *Lecture: 3 units. Credit: 3 units. Prerequisite: AB: MAT C101, MATC110; BSED: MAT C101, MAT C105, MAT C 106, MAT C107, MAT C108, MAT C110, MAT C206.*

MAT C304. Calculus II. The course aims to develop further the student's understanding of differential and integral calculus. It covers the method and techniques of integration, indeterminate forms, and improper integrals of algebraic and transcendental functions. *Lecture: 4 units. Credit: 4 units. Prerequisite: AB:*

MAT C101, MATC106, MAT C107, MAT C305; BSED: MAT C101, MAT C106, MAT C107, MAT C108, MAT C305; *BSAM: MAT C305.*

MAT C305. Calculus I. This is the first course in calculus. It covers limits, continuity, derivatives of algebraic and transcendental functions, applications of derivatives, differentials, antiderivatives, definite integrals, the Fundamental Theorem of Calculus, and applications of definite integrals. *Lecture: 4 units. Credit: 4 units. Prerequisite: AB: MAT C101, MATC106, MAT C107; BSED: MAT C101, MAT C106, MAT C107, MAT C108*; *BSAM: MAT C106, MAT C107.*

MAT C306. Statistical Theory. The course is an introduction to statistics and data analysis. It covers the following: reasons for doing Statistics, collection, summarization, and presentation of data, basic concepts in probability, point and interval estimation, and hypothesis testing. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101*; *BSAM: MAT C212, MAT C401.*

MAT C307. Actuarial Mathematics. This course introduces the principles and methods of actuarial mathematics, focusing on insurance and risk management applications. Topics covered include probability theory, life contingencies, survival models, and basic risk management techniques used in actuarial practice. *Lecture. 3 units. Prerequisite: MAT C101*

MAT C309. Advanced Statistics. The course is designed to guide students and future researchers to apply different statistical tools in research. It will also let the students appreciate their acquired knowledge in their quest to make the right decisions in the future. The course covers two parts: parametric and nonparametric statistics. Lectures are technology-integrated. *Lecture: 3 units. Credit: 3 units. Prerequisite: AB: MAT C101, MAT C313; BSED: MAT C101, MAT C107, MAT C311, MAT C313; BSAM: MAT C101, MAT C102, MAT C305.*

MAT C311. Problem Solving, Mathematical Investigations, and Modeling. This course deepens and further enhances the students' understanding of real-life applications of mathematics through investigating, pattern finding, testing and justifying conjectures, and making generalizations. *Lecture: 3 units. Credit: 3 units. Prerequisite: AB: MAT C101, MATC106, MAT C107, MAT C110, MAT C207; BSED: MAT C101, MAT C106, MAT C107, MAT C108, MAT C209, MAT C304, MAT C305, MAT C401.*

MAT C313. Elementary Statistics and Probability. The course equips the students with the basic statistical tools to understand various phenomena. The topics on mean, variance, sampling, and estimation eventually allow the students to be able to perform hypothesis testing on real-life problems from different fields. The course

includes applications and data analysis with computations carried out using SPSS. *Lecture: 3 units. Credit: 3 units. Prerequisite: AB: MAT C101; BSED: MAT C101, MAT C107.*

MAT C315. Operations Research. This course is an introduction to linear programming. It covers basic concepts, problem formulation, and graphical solution for two-variable problems, the simplex algorithm, and other algorithms for special LP problems, duality, and sensitivity analysis. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MATC110, MATC107, MAT C202; BSAM: MAT C202.*

MAT C401. Calculus 3. The course aims to provide the students with an understanding of the applications of differentiation and integration in sequences, infinite series, power series, as well as of multiple integrations for functions in several variables. Moreover, students will be able to apply these concepts to problem-solving. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C106, MAT C107, MAT C108, MAT C304, MAT C305; BSAM: MAT C304.*

MAT C402. Differential Equations. The course deals with the introduction to ordinary differential equations. It focuses primarily on techniques for finding explicit solutions to linear ODE's. Topics include various methods/techniques in solving first-order and nth order differential equations, homogeneous and non-homogeneous differential equations, undetermined coefficients and variations of parameters, and their applications to the real world. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C106, MAT C107, MAT C304, MAT C305; BSAM: MAT C304.*

MAT C404. Advanced Calculus. This course is the first of two courses that provide an introduction to mathematical analysis beyond the calculus series. The real number system, point set topology, limits and continuity, derivatives, multivariable differential calculus, implicit functions, and extremum problems are just a few of the topics covered. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C304*

MAT C501. Numerical Analysis. This is an introductory course that covers error analysis, solutions of linear and non-linear equations and linear systems, interpolating polynomials, numerical differentiation and integration, numerical approximations of eigenvalues, and numerical solutions of ordinary differential equations. *Lecture. 3 units. Credit: 3 units. Prerequisite: MAT C202, MAT C402.*

MAT C502. Theory of Interest. This course provides with the mathematical tools and analytical skills necessary for careers in finance, actuarial

science, and related fields. By mastering the principles of interest theory, students will be well-equipped to tackle complex financial problems and make informed decisions in the professional world. Topics covered are measures of interest, present and future values, equations of value, annuity certain, general annuity certain, yield rates, extinction of debts, and bonds and securities. *Lecture 3 units. Credit: 3 units. Prerequisite: MAT C401.*

MAT C505. Fundamentals of Data Analysis. This course is an introductory course designed to provide students with the foundational knowledge and practical skills necessary for analyzing and interpreting data using mathematical and statistical methods. In today's data-driven world, the ability to extract meaningful insights from data is essential across various fields, including business, science, engineering, and social sciences. Through a combination of theory, hands-on exercises, and real-world applications, students will learn how to collect, clean, visualize, and analyze data effectively, using statistical software and programming languages. *Lecture. 3 units. Credit: 3 units. Prerequisite: MAT C101, MAT C102, MAT C306*

MAT C506. On-the-Job training. This course is a capstone course designed to provide students with practical, hands-on experience in applying their knowledge and skills in real-world settings related to applied mathematics. The course offers students the opportunity to gain valuable work experience through internships, cooperative education placements, or research projects conducted in collaboration with industry partners, government agencies, or academic institutions. Under the supervision of a faculty advisor and a designated mentor in the workplace, students will engage in meaningful projects and activities that align with their academic and career interests in applied mathematics. *Lecture. 6 units. Credit: 6 units. Prerequisite: MAT C202, MAT C402, RES C401, RES C402.*

MAT C601. Calculus 1. (For BSECE and BSCPE students only). This is an introductory course covering the core concepts of limit, continuity, and differentiability of functions involving one or more variables. This also includes the application of differential calculations in solving problems on optimization, rates of change, related rates, tangents and normals, approximations, partial differentiation, and transcendental curve tracing. *Lecture: 3 units. Credit: 3 units. Prerequisite: None (STEM), EGR C105 (NON-STEM).*

MAT C602. Calculus 2. (For BSECE and BSCPE students only). The course introduces the concept of integration and its application to some physical problems such as the evaluation of areas, volumes of revolution, force, and work. The fundamental formulas and various techniques of integration are taken up and applied to both single-variable and multivariable functions. The course also includes tracing of functions of two variables for a better appreciation of the interpretation of

the double and triple integral as the volume of a three-dimensional region bounded by two or more surfaces. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C601.*

MAT C603. Numerical Methods. (For BSCPE students only). This course covers the concepts of numerical analysis and computer software tools in dealing with engineering problems. It includes techniques in finding the roots of an equation, solving systems of linear and non-linear equations, eigenvalue problems, polynomial approximation and interpolation, ordinary and partial differential equations. The Monte-Carlo method, simulation, error propagation, and analysis, the methods of least squares, and goodness-of-fit tests are also discussed. *Lecture: 3 units. Credit: 3 units. Prerequisite: EGR C201.*

MAT C604. Discrete Structure. (For BSIT students only). The course teaches the students the essential topics of induction and recursion, combinatorics, graph theory, proofs, and logic. The course gives room for IT students to learn logic course using discrete structures. The course also addresses the curricular difficulties of the combined requirements of mathematics and computer science. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C101.*

MAT C604. Discrete Structures. (For BSCPE students only). This course deals with logic, sets, proofs, growth of functions, the theory of numbers, counting techniques, trees, and graph theory. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C601.*

MAT C606. Quantitative Techniques for IT. Introduction to basic mathematical and statistical methods and models, as well as their software applications for solving business problems and/or making decisions. Includes such topics as probability and probability distributions, decision analysis, forecasting, linear regression, linear programming, and waiting for line models. *Lecture: 3 units. Credit: 3 units. Prerequisite: ITC C209, MAT C604.*

ABP C401. Practicum. The course is designed for Liberal Arts students to undergo 162 hours of off-campus apprenticeship in the industrial setting. This is to provide exposure and hands-on training on appropriate work-related information about the employer and the employer's site, safety, work readiness skills, career exploration and guidance, foundation knowledge, and skills, to name a few, to apply and qualify for jobs needing experience in the student's chosen career. *Lecture: 3 units. Credit: 3 units. Prerequisite: MAT C309, MAT C302, MAT C311, MAT C315, MAT C304, MAT C305, MAT C106, MAT C107, RES C402, MAT C101.*

DEPARTMENT OF NATURAL SCIENCES

NSC C102. Physics 1. This course is a physics course offered to information technology students. It covers fundamental concepts of mechanics and fundamental concepts in electrification, direct current electricity, and alternating current electricity. It also includes topics on magnetism and applications of electromagnets. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

NSC C103. Biochemistry. Biochemistry is an introduction to the chemistry and structure-function relationships of carbohydrates, lipids, and proteins. It examines the basic metabolism of carbohydrates and fats, with emphasis on the biochemical fluctuations that occur in human health and disease, and will include a brief introduction to molecular genetics. *Lecture: 3 units. Laboratory: 2 units. Credit: 5 units. Prerequisite: NONE.*

NSC C104. Physics for Engineers. This course is a physics course offered to engineering students. It covers fundamental concepts of mechanics and fundamental concepts in electrification, direct current electricity, and alternating current electricity. It also includes topics on magnetism and applications of electromagnets. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: (STEM) MAT C601; Co-requisite (Non- STEM) MAT C601.*

NSC C201. Kinematics. This course is a physics course offered to information technology students with a specialization in digital animation technology. It covers concepts of kinematics, which include topics on motion, vectors, momentum, and collisions, as well as concepts on inverse and forward kinematics and collisions with rigid bodies. *Lecture: 3 units. Credit: 3 units. Prerequisite: NSC C102.*

NSC C203. Organic chemistry. This course is a chemistry course offered to criminology students. It covers topics on atomic structure, the nature of chemical bonds, and the types and nature of organic compounds. It also includes topics on biomolecules such as carbohydrates, amino acids, peptides, lipids, and nucleic acids. Topics on the organic chemistry of metabolic pathways are included to understand the chemistry of living organisms. *Lecture: 3 units. Laboratory: 2 units. Credit: 3 units. Prerequisite: NONE.*

NSC C204. Chemistry for Engineers. This is a chemistry course offered to engineering students. It covers the application of chemistry concerning the generation of energy, chemical principles, concepts of structures and bonding of common materials, and the chemical processes that take place in the environment.

Special topics are also included, specific to the field of expertise of the students. *Lecture: 3 units. Laboratory: 2 units. Credit: 4 units. Prerequisite: NONE.*

NSC C205. Chemistry for Psychology. This is a chemistry course offered to psychology students. It covers the application of chemistry in relation to the generation of energy, chemical principles, concepts of structures and bonding of common materials, and the chemical processes that take place in the environment that can affect human behavior. Special topics are also included, specific to the field of expertise of the students. *Lecture: 3 units. Laboratory: 6 units. Credit: 5 units. Prerequisite: NONE.*

NSC C206. Physics for Psychology. This is a Physics course offered to Psychology students. It covers the application of the scientific method to physician relations as used in Psychology, scientific measurement, mechanics, kinematics, and dynamics, and the nature of sound and light. Special topics are also included, specific to the field of expertise of the students. *Lecture: 3 units. Laboratory: 6Credit: 5 units. Prerequisite: NONE.*

NSC C207. Microbiology and Parasitology for Psychology. This course is designed to assist in the study of important microorganisms and parasites. It explains the physiology and pathogenic properties of bacteria, fungi, and viruses as an introduction to disease causation, their biology, the infections they cause the host responses to these infections, and their mode of transmission, prevention, treatment, and nursing responsibilities. The Laboratory experiences provide specimen collection, handling, and processing of specimens for isolation and identification of microorganisms and parasites involved in the infection processes. *Lecture: 3 units. Laboratory: 6 units. Credit: 5 units. Prerequisite: NONE.*

NSC C208. Anatomy and Physiology for Psychology. This course is designed to enable students to develop a fundamental understanding of the relationships between the structures and functions of the human body. Students will learn the terminology, anatomy, physiology, and pathology of each body system, how they interrelate to maintain homeostasis, the occurrence of disorders and diseases due to either the natural aging process or health-risk factors, and their significant effects on the psychology of human behavior. The course will involve laboratory activities and projects, animal dissections, utilization of workbooks and module materials, models, diagrams, and reflection journal writings that are geared to students taking the Psychology program. *Lecture: 3 units. Laboratory: 2 units. Credit: 5 units. Prerequisite: NONE.*

NSC C209. Physics 1. This is a Physics course offered to Applied Mathematics students. Emphasizing the scientific method as applied in

mathematics, the course covers scientific measurement, mechanics (kinematics and dynamics), vectors, and heat and thermodynamics. Special topics aligned with the students' field of expertise, allowing for interdisciplinary connections between physics and real-world challenges. *Lecture: 3 units. Laboratory: 1 unit. Credit: 4 units. Prerequisite: NONE.*

NSC C210. Physics 2. This is a Physics course offered to Applied Mathematics students that focuses on the fundamental principles of electricity and magnetism. Students will apply mathematical methods to model physical phenomena, analyze relationships among variables, and solve problems relevant to applied mathematics and interdisciplinary contexts. Topics include electrostatics, electric circuits, and magnetic fields. *Lecture: 3 units. Credit: 3 units. Prerequisite: NSC C209*

DEPARTMENT OF PSYCHOLOGY

PSY C102. Introduction to Psychology. This course introduces the students to psychology as a behavioral science. Through the use of current and classic readings, the biological, cognitive, emotional, motivational, developmental, and social roots of psychology are explored to understand the different aspects of human behavior and its mental processes. *Lecture: 3 units. Credit: 3 units. Prerequisite: None.*

PSY C201. Psychology of Exceptional Children. This course is focused on the introduction and assessment procedures and strategies for identifying and addressing the needs of students with exceptionalities within the context of school. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

PSY C304 Disaster and Mental Health. This course introduces the student to different types of disasters, their impacts, and the role of agencies and practitioners in preparedness, response, and recovery. Using clinical research and case histories, students will examine normal and abnormal psychological reactions, the recovery process, and principles of mental health care for victims of mass disasters. Differences between natural and man-made disasters are examined, and factors that mitigate post-traumatic effects are reviewed. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

PSY C306. Introduction to Counseling and Psychotherapy.

PSY C308. Test Measurement and Evaluation. This course introduces the student to the theory, concepts, and practices of learning measurement and evaluation as applied in behavioral sciences. Topics like reliability theory, test and

evaluation development, validation, and assessment, as well as the use of both criterion and norm-referenced procedures. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C508.*

PSY C501. Psychological Statistics. This course focuses on the basic concepts and methods of descriptive statistics and their use in the design, analysis, and interpretation of psychological studies. *Lecture: 3 units. Laboratory: 2 units. Credit: 5 units. Prerequisite: Credit: 3 units. Prerequisite: MAT C101, MAT C306for AB PSY; MAT C101, PSY C102 for BS PSY.*

PSY C502. Theories of Personality 1.- For AB PSY. This course provides a basic understanding of a variety of personality theories that are classical and post-classical. This includes the study of personality formation, dynamics, and stability of personality over time and situations, cultural differences in personality, and personality measurement. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

PSY C503. Physiological Psychology/Biological Psychology. This course is focused on the study of human behavior and its basic concepts and findings founded in neuroscience. The students are expected to gain knowledge and understanding of the brain-body relationship, brain-behavior relationship, and mind-behavior relationship. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

PSY C504. Cognitive Psychology. This course provides a basic understanding of research and knowledge in the psychological study of important cognitive abilities, including sensation and perception, attention, memory, representation, language, and thinking. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C101, PSY C102 for AB PSY; PSY C102 for BS PSY*

PSY C505. Developmental Psychology. This course is an in-depth study of human development throughout man's life span, with emphasis on major development theories, system perspective, and interactive dimensions of human development in the Filipino setting. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102 for AB PSY; None for BS PSY.*

PSY C506. Experimental Psychology. It covers philosophy and methods of science, focusing on experimentation in the investigation of problems and issues in psychology. This includes the study of history, theories, and research in experimental psychology, including ethical considerations in the conduct of experimental research. Output in this course is an experiment that the student has to present and defend. *Lecture: 3 units. Laboratory: 2 units. Credit: 5 units. Prerequisite: PSY C102, PSY C501.*

PSY C507. Field Methods in Psychology. This course is designed to enhance the learning of students in quantitative and qualitative methods in the field of psychology. The student is expected to design, administer surveys or questionnaires, conduct interviews, and do focus group discussions. *Lecture: 3 units. Laboratory: 2 units. Credit: 5 units. Prerequisite: PSY C506.*

PSY C508. Psychological Assessment. This course orients the students on the rudiments of psychological testing. This includes a study on the principles, methods, and uses of psychological testing, administration, scoring, and interpretation in the various areas of psychology, as well as the current trends and issues in psychological testing in the Philippine setting and internationally. *Lecture: 3. Laboratory: 2 units. Credit: 5 units. Prerequisite: PSY C502, PSY C524 for AB PSY; PSY C506 for BS PSY.*

PSY C509. Abnormal Psychology. The course is an introduction to the nature, causes, and possible interventions of psychological disorders. It includes the study of indigenous concepts of abnormality and abnormal behavior, as well as ethical considerations in abnormal and clinical psychology. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C502, PSY C524 for AB PSY; PSY C530 for BS PSY.*

PSY C510. Filipino Psychology. This course is a study of concepts and methods in the field of culture and psychology, giving meaning to psychological reality based on the language and worldview of the Filipino. This includes exposure to indigenous concepts and their application in the various fields of psychology, and will be trained in the use of indigenous research methods. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102, PSY C513 for AB PSY; PSY C530 for BS PSY.*

PSY C511. Social Psychology. This course is a scientific study of human social behavior - how and why we think, feel, behave, and relate to one another in social situations the way we do. It deals with the major theories, concepts, and empirical findings in social psychology, as well as on the social behavior and social phenomena in the Philippine setting from the social-psychological perspective. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C506.*

PSY C512. Introduction to Counseling. This course is an introduction to major approaches in counseling and psychological therapy. This includes topics on major theories, strategies, and methods of counseling and psychological therapy. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C502, PSY C509, PSY C524.*

PSY C513. Group Dynamics. Using experiential/inductive methods, this course provides students the opportunity to understand the dynamics of group

processes and functioning, particularly in the Philippine organizational setting and abroad. This includes topics in the areas of communication, problem solving, decision-making, leadership/membership, collaboration/competition, and self-awareness. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

PSY C514. Introduction to Clinical Psychology. This course focuses on the basic understanding of the nature, scope, and techniques used in the field of clinical psychology, including approaches in the assessment and interventions in various psychological diseases and disorders. This includes an understanding of the roles, functions, and ethical considerations involved in the practice of the profession. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY 502, PSY 509, PSY C524 for AB PSY; PSY C509 for BS PSY.*

PSY C515. Industrial/Organizational Psychology. This course is an overview of psychological concepts, theories, and research findings for effective human interactions and performance in the workplace. Topics include organizational structures and systems, organizational communication, leadership, motivation, conflict resolution, problem-solving, decision making, team dynamics, human resource development, and organizational change and development. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

PSY C517. Practicum in Industrial Setting. This course exposes the students to industrial/organizational settings where psychology is practiced as a profession. Students are required to complete a total of 150 hours of practicum work in one or more industries. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C514, PSY C515, PSY C520 for AB PSY; PSY C308, PSY C508, PSY C515 for BS PSY.*

PSY C518. Practicum in Clinical Setting. This course exposes the students to industrial/organizational settings where psychology is practiced as a profession. Students are required to complete a total of 150 hours of practicum work in one or more industries. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C509, PSY C512, PSY C514 for AB PSY; PSY C508, PSY C509, PSY C514 for BS PSY.*

PSY C520. Strategic Human Resource. This course focuses on the study of theories and principles in strategic human resource management. This includes topics focused on identifying and writing competencies and applying these in talent acquisition, learning and development, performance, and other human resource functions. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C515.*

PSY C521. Integrated Course 1. This course is focused on the enhancement of previously learned concepts in major areas of psychology. This includes topics concentrated on the board examinations, such as courses highly related but not

limited to Abnormal Psychology and Theories of Personality. The students are expected to undergo a series of course enhancements and pass a battery of examinations to test their knowledge and comprehension in their future field and profession. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C502, PSY C504, PSY C509 for AB PSY; PSY C509, PSY C510, PSY C530 for BS PSY.*

PSY C522. Integrated Course 2. This course is focused on the enhancement of previously learned concepts in major areas of psychology. This includes topics concentrated on the board examinations, such as courses highly related but not limited to Industrial Psychology and Psychological Assessment. The students are expected to undergo a series of course enhancements and pass a battery of examinations to test their knowledge and comprehension in their future field and profession. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C508, PSY C515, PSY C526 for AB PSY; PSY C308, PSY C508, PSY C515 for BS PSY.*

PSY C524. Theories of Personality 2. This course is a survey of the contemporary/updated major theories of personality, as well as the theoretical and practical issues involved in the scientific study and understanding of personality formation and dynamics. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

PSY C526. Psychological Test Development. This course is focused on the application of the learned theories and principles of psychological measurement, test construction, use, evaluation, and implementation. *Lecture: 5 units. Credit: 5 units. Prerequisite: PSY C508.*

PSY C528. Training and Development. This course provides an overview of the role of Training and Development in Human Resource Management. The topics included are needs analysis, program design, development, administration, delivery, and program evaluation. Other topics include adult learning theory, transfer of training, career planning, counseling, training techniques, budgeting, and trends in training. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C515.*

PSY C530. Theories of Personality. This course provides a comprehensive overview of the major approaches in the study of personality, including the Psychoanalytic, neo-psychoanalytic, Life Span, Trait, Humanistic, Cognitive, Behavioral, and Social-Learning Theories. The major theoretical points and assumptions of each theory regarding personality development and dynamics will be covered, as well as the contributions and limitations of each theory and their comparison with other theoretical viewpoints. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C102.*

RES C401. Research Methods 1. This course trains the student in psychological research from the choice of a relevant research problem, doing the review of the literature, postulating a conceptual framework, to planning the

methodology and data analysis. A research proposal is required in this course. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C502, PSY C506, PSY C507, PSY C508, PSY C509, PSY C515, PSY C524 for AB PSY; PSY C506, PSY C507, PSY C508, PSY C509f or BS PSY.*

RES C402. Research Methods 2 (Thesis). This course is focused on the implementation of the research proposal, where the student is expected to come up with a well-written empirical research paper and is required to defend the results, the discussion, and the conclusions. *Lecture: 3 units. Credit: 3 units. Prerequisite: PSY C401.*

HOSPITALITY AND TOURISM MANAGEMENT

DEPARTMENT OF HOSPITALITY MANAGEMENT

HTM C101. Macro Perspective of Tourism and Hospitality. This course was designed to give a clear and whole overview of Tourism and Hospitality as an ecosystem and goes beyond the usual closed concept of tourism. It introduces the concepts and terms that are common throughout the different sectors. It also intends to develop, update, and maintain local knowledge as well as tourism industry knowledge. It shows the structure and scope of tourism as well as the impact of tourism as an industry in relation to the world economy and society. It also illustrates the effects of the convergence of tourism with the other local industries and lets the students appreciate its multiplier effect on various fronts. It discusses the major factors that influence the history and future of tourism in the world and the Philippines. It also introduces the sustainable goals of tourism and discusses how to develop protective environments for children in tourism destinations, to observe and perform risk mitigation activities, among others. The students will also learn to appreciate the key global organizations and the roles they play in influencing and monitoring tourism trends. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C102. Kitchen Essentials and Basic Food Preparation. The student will learn theoretical knowledge and demonstrate practical skills in basic culinary tasks, basic food preparation, and food presentation in a commercial establishment. Topics will include the following: application of basic techniques of commercial cookery; application of standard safety procedures for handling foodstuffs; clean and maintain kitchen equipment and utensils; organize and prepare food products and meals; prepare and store food safely and hygienically; receive and securely store in-coming goods; establish and maintain quality control in food production; identify, prepare and portion various meats; prepare and store food safely and hygienically; prepare appetizers and salads; prepare soups, stock, and sauces; prepare vegetables,

eggs, and farinaceous dishes; present and display food products. *Lecture: 1 unit. Laboratory: 2 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C103. Risk Management as Applied to Safety, Security, and Sanitation. This course covers the basic principles of personal hygiene, food safety, and sanitation as applied in the tourism and hospitality industry. Topics include the following: compliance with workplace hygiene procedures, establishment, and maintenance of a safe and secure workplace, implementation of occupational health and safety procedures, and performing basic first aid procedures. This course includes a visit to establishments where safety and sanitation are strictly observed to appreciate its implementation and importance. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C104. Fundamentals in Lodging Operations. This course describes the skills, knowledge, and performance outcomes required to explore and analyze the management and practices of lodging operations and related sales activities in the major operating and support departments. It will also expose the students to the unique aspect of managing a service-based lodging establishment delivered by diverse employees and an understanding of the business and financial operations of the lodging firm. The course introduces the housekeeping department of a hotel and lodging organization: its organizational structure; roles and responsibilities; functions of the department; equipment and tools for housekeeping operations; methods and procedures of cleaning operations including linen, uniform, and laundry service; general maintenance and decoration of a hotel; safety and sanitation in housekeeping operations; management of operations and recordkeeping; precautionary procedures; guest safety and hotel assets. The laboratory includes actual exposure to housekeeping operations. This course also discusses the competencies needed to supervise the housekeeping department and is anchored in TESDA training regulations. At the end of the course, students may acquire Housekeeping NCIII as an alternative in their final examination, which may also help them gain future work in the industry. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C106. Micro Perspective of Tourism and Hospitality. This course covers the work, operations, and integrative activities of major stakeholders in the Tourism and Hospitality Industry. The student will also gain knowledge of managing and marketing a service-oriented business organization. Apart from the scope and structure of travel organizations, it provides an in-depth study of the nature and distinctive characteristics of each sector of the entire tourism industry, focusing on the management, organization, and planning of specific business strategies for the various entities in the local setting. This will also involve the analysis of the possible impacts of external factors and trends on the different

tourism industry sectors and specific types of businesses. It will also look into client profiling, such as travel motivations and influences, as it relates to aligning strategic and tactical solutions to the business. The course also identifies the employment opportunities available in each sector and the corresponding qualifications for the jobs. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C108. Quality Service Management in Tourism and Hospitality. This course aims to enable the students to recognize and assess quality management processes in hospitality and tourism-related organizations and evaluate departmental processes and planning strategies.

Topics include concepts and terminologies of TQM: definition, common element, and terminology; vision and reality – bridging the gap; constructive and critical personal reflection; proposed quality, self-assessment and peers assessment seeking practical feedback for supervisors and continuing improvement; developing a personal management philosophy and personal development plan. This course includes an educational tour in an establishment that embodies the quality service of the industry to observe and assess its implementation. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C201. Applied Business Tools and Techniques in Hospitality. This course describes the skills, knowledge, and performance outcomes required to understand and operate relevant IT systems that are used in the hotel and restaurant industry. Topics covered include folio systems for the front office, POS systems for F&B operations, as well as other computers and online systems for various departments such as reservations, finance, housekeeping, marketing, and the public relations unit. The laboratory component of the course will expose them to the hands-on use of front-office software. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: HTM C104*

HTM C202. Philippine Culture and Tourism Geography. This course presents comprehensive coverage of the major tourist destinations in the Philippines. Major discussions will be on political structures and subdivisions, geographical characteristics, major attractions, gastronomy, culture, and traditions of the various regions of the country, leading to the realization of the potentials of the Tourism industry of the Philippines. Students will also have comprehensive knowledge about the mechanism, logistics, operations, and management of the tourism network system in the Philippines with its inherent physical and cultural resources, as seen in the various provinces of the country. This course includes an educational tour of key Philippine destinations to appreciate the country's tourism, culture, and geography. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C203. Fundamentals in Food Service Operations. The student will learn the necessary knowledge, develop the various skills, and cultivate the proper attitudes needed for the delivery of quality service of food and beverage operations in hotels and restaurants. Topics include the following: clean and tidy bar and food service areas; develop and maintain food and beverage product knowledge; manage the responsible service of alcohol; prepare and serve cocktails; prepare and serve cocktails; prepare and serve non-alcoholic beverages; provide a link between kitchen and service area; provide advice to patrons on food and beverage services; provide food and beverage services; provide room service; provide silver service; take food orders and provide courteous table service; manage intoxicated persons. This course also discusses the competencies needed to supervise food and beverage service operations and is anchored in TESDA training regulations. This course includes dining in an establishment where the knowledge gained can be applied. At the end of the course, students may acquire FBS NCIII as an alternative in their final examination, which may also help them gain future work in the industry. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: HTM C103.*

HTM C302. Supply Chain Management in Hospitality Industry. This course describes the skills, knowledge, and performance outcomes required for understanding the basic concepts in managing the complete movements of products or services in a supply chain from the suppliers to the customers. It also emphasizes on identifying the effects of current and future trends in supply chain management and assessing the processes and performances in a supply chain to optimize processes into a seamless, innovative, and most cost-effective way to help companies build a competitive edge. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C308. Ergonomics and Facilities Planning for the Hospitality Industry. This course will develop knowledge, skills, and attitudes on ensuring the work environment of the organization fits the industry professional. Topics include planning and designing workstations to create efficient and effective workplaces; selecting workstation furnishings to provide flexibility and adaptability for workers; designing lighting for proper illumination in work areas; and creating work areas where noise is controlled for normal operation to be done in the workstation. The final requirement of the course is student defense of the facilities, layout, and design of their business plan defended in the Entrepreneurship in the Hospitality Industry course. This course includes an international educational tour to appreciate and compare the international and local facilities, layout, and design of hospitality establishments. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C309. Supply Chain Management in the Hospitality Industry. This course describes the skills, knowledge, and performance outcomes required for understanding the basic concepts in managing the complete movements of products or services in a supply chain from the suppliers to the customers. It also emphasizes identifying the effects of current and future trends in supply chain management, and on assessing the processes and performances in a supply chain to optimize processes into a seamless, innovative and most cost-effective way to help companies build a competitive edge. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C310. Multicultural Diversity in the Workplace for the Tourism Professional. This course describes the skills, knowledge, and performance outcomes required to manage multicultural diversity in the workplace that covers the organization's diversity policy, encouraging diversity within work teams and upholding the benefits of a diverse workplace. It should also develop the ability to communicate with people from a range of social and cultural groups with respect and sensitivity and to cross-cultural misunderstanding if it arises. The end goal is for the student to be equipped with social awareness and diverse understanding when serving customers and working with colleagues. This course includes an educational tour in a multicultural workplace/destination to observe how employees deal with customers and fellow employees. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C311. Tourism and Hospitality Marketing. This course will equip students with the necessary skills to develop actual marketing campaigns for a business within the tourism and hospitality industry. Emphasis is on the analysis of the market, its competition, and its product, preparation of a financial budget, and the development of short-term and long-range strategies to achieve desired profit through effective advertising, sales, and an effective public relations plan. This course is anchored in TESDA training regulations. At the end of the course, students may acquire Tourism Promotion Services NCII as an alternative in their final examination, which may also help them gain future work in the industry. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C313. Professional Development and Applied Ethics. This course describes the skills, knowledge, and performance outcomes required to develop the ability of students to become professionals in their field by understanding the ideas of improving one's personality and ways on how they are going to be valued in the business industry through presenting their ideas like company meetings, professional networking, interviews and through proposals of services considering the proper collaboration to their associates and portraying professional business ethics. It also teaches writing skills and emphasizes verbal communication and

preparation of plans that require to research career options and company potential and stability to develop a strong and effective career pathway. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C315. Entrepreneurship in Hospitality and Tourism. This course describes the skills, knowledge, and performance outcomes required to plan and develop a feasible Business Plan by understanding the nature and scope of entrepreneurship, scanning the market of potential entrepreneurial venture opportunities, and identifying and evaluating the methods of venturing into business, including but not limited to starting one's own business, buying existing businesses, and the process of franchising. It also emphasizes assessing the possible characteristics and mindset of entrepreneurs, analyzing typical entrepreneurial venture challenges, errors, and rewards, identifying effective strategic management, developing product and service innovations, and introducing the concepts of environmentally sustainable practices, social entrepreneurship, and intellectual property management. The final requirement of the course is student's defense of their business plan. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: HTM C308.*

HTM C404. Culinary Elective. Students can choose their preferred culinary course to enroll in, depending on the cuisine that they want to explore. *Lecture: 1 unit. Laboratory: 2 units. Credit: 3 units. Prerequisite: HTM C501.*

HTM C404A. Asian Cuisine. This course provides students with the knowledge, skills, and attitude necessary to perform the duties, tasks, and steps required in the study of Traditional Asian Cuisine. It builds on cooking and ingredients skills already learned. Students will be introduced to different utensils needed for some cuisine as well as acceptable substitute to achieve the same results. Nutrition, History, Location, and geographical influences will be discussed for each region studied. Good grooming, personal hygiene, and work ethics are also underscored. *Lecture: 1 unit. Laboratory: 2 units. Credit: 3 units. Prerequisite: NONE.*

HTM C404B. Western Cuisine. This course is designed to understand the culinary arts and culture from various regions around the world, specifically American, French, Italian, and Mediterranean cuisines. Furthermore, it will focus on a specific region or country and introduce a range of recipes representing cooking styles and the use of ingredients. *Lecture: 1 unit. Laboratory: 2 units. Credit: 3 units. Prerequisite: NONE.*

HTM C407. Legal Aspects in Tourism and Hospitality. The tourism and hospitality industry operates within a comprehensive domestic and international,

legal, and regulatory framework. This course examines this framework and covers the key principles of law applicable to hospitality, tourism, and related industries. Various legislation on business organizations and several international law issues such as consumer protection, product and service liability, employment, and law access to the natural environment will be covered.

Topics include national and international regulation of the travel and hospitality industry; consumer contracts law; the law of carriers and inns; the duties of travel operators and agents; travel insurance law; the law of bailment; the responsibilities of travel agents and tour operators; hotel management law; liquor licensing law; catering law; gaming law; marketing law; consumer rights and complaints; the law regulating payments (including international credit card payments); the finance of carriers and inns; criminal and civil liability of people working in the travel and tourism industry. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C409. Introduction to Meetings, Incentives, Conferences, and Events Management (MICE). This course examines the principles of conceptualizing, planning, managing, and evaluating meetings, and events, and festival management. Topics include the significance of conventions and events in tourism, event design, project management, methods and evaluation, physical requirements, organizing, promotion, and sponsorship. This is an integration course that applies all the principles of conceptualization or management and foundation tourism and hospitality courses. The final requirement is the implementation of one event per section where the students can apply the knowledge gained. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C410. Research in Hospitality 1. This course describes the skills, knowledge, and performance outcomes required to develop a research orientation among students and to acquaint them with the fundamentals of research methods like quantitative, qualitative, or mixed methods research approaches that will lead to the production of a good, timely, and relevant research study. It also encompasses the critical understanding of identifying and assessing ethical issues related to research, the awareness, and benefits of research in the field of interest, and their future career, in society or the community, and in the local and global environment. The final requirement of the course is the student's defense of Chapters 1 to 3 of their chosen research topic. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C412. Research in Hospitality 2. This course provides students with the knowledge, skills, and attitude in data gathering and finalizing their research study. The output in Research in Hospitality 1 will be used as the take-off point of

this course. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: HTM C410.*

HTM C501. Philippine Regional Cuisine. The course focuses on classical cooking related to food preparation, availability of the ingredient per region, culinary heritage, and its significance and sustainability to preserve the culture, process, and process of how these regional dishes were prepared. *Lecture: 1 unit. Laboratory: 2 units. Credit: 3 units. Prerequisite: HTM C102.*

HTM C502. Oenology and Beverages. This course offers the student a deeper knowledge of winemaking, basic wine terminology, wine-producing countries, with a broad understanding of the manufacturing process, theoretical fundamentals prior to fermentation; the students must be able to determine the differences between red, white to rose and other wine classifications, covering old-world and new-world wines, vintage, and terroir. This course also discusses competencies to deliver good quality coffee, which is anchored in TESDA training regulations. Students will also learn how other basic beverages, such as tea and juices, are produced. At the end of the course, students may acquire Barista NCII as an alternative in their final examination, which may also help them gain future work in the industry. *Lecture: 2 units, Laboratory: 1 unit. Credit: 3 units. Prerequisite: HTM C203.*

HTM C503. Fundamentals of Baking. This course covers the introduction to the fundamental concepts, skills, and techniques of basic baking. Specifically tackles the functions of each ingredient, product identification, weights, measures, and proper use and maintenance of bakeshop tools and equipment. Students will be assigned in group work each day and are required to apply the basic baking concepts and techniques in preparing items such as quick bread, yeast bread, rolled-in dough, pâte à choux, pies, cakes, cookies, puddings, and pastry creams. This course is anchored in TESDA training regulations. At the end of the course, students may acquire Bread and Pastry Production NC II as an alternative in their final examination, which may also help them gain future work in the industry. *Lecture: 1 unit. Laboratory: 2 units. Credit: 3 units. Prerequisite: HTM C102.*

HTM C504. Special Topics in the Hospitality Industry. This course provides students with the latest trends in the hospitality industry, particularly which pertains to technologies, human resources, physical facilities, and sales and marketing updates. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C505. Hotel and Restaurant Internship. The practicum workload is intended to help undergraduates apply their formal education in a real-world

environment. By following the instructions given in the training logbook (with an emphasis on working skills), students are required to undertake a 600-hour practicum in hotels or resorts. They may be assigned in the office operations or in the actual operations such as but not limited to Housekeeping, Front Office, Food and Beverage, and Kitchen departments.

Close contact with a workplace supervisor/mentor is needed as students are required to produce both a training report, emphasizing problem-solving and supervisors' evaluations. The course requires the students to attend the internship orientation, submit medical clearance, and take a psychological exam. Students should also be able to communicate with their adviser through CANVAS, consult based on the agreed schedule, and submit the requirements on time. *Lecture: 0 units. Laboratory: 6 units. Credit: 6 units. Prerequisite: HTM C412, HTM C502, HTM C201, HTM C501, HTM C503, HTM C104, HTM C203.*

HTM C507. In-House Internship/Café Internship. The practicum workload is intended to help undergraduates apply their formal education in a real work environment. By following the instruction given in the training logbook (with an emphasis on working skills), students are required to undertake a 200-hour practicum, specifically in the in-house or external cafés. Close contact with a workplace supervisor/mentor is needed as students are required to produce both a training report, with an emphasis on problem-solving and supervisors' evaluations. The course requires the students to attend the internship orientation, submit medical clearance, and take a psychological exam. Students should also be able to communicate with their adviser through CANVAS, consult based on the agreed schedule, and submit the requirements on time. *Lecture: 0 unit. Laboratory: 2 units. Credit: 2 units. Prerequisite: HTM C412, HTM C502, HTM C201, HTM C501, HTM C503, HTM C104, HTM C203.*

HTM C601. Cruise Management 1. The course deals with the study of the Cruise Industry. History and definition of cruise line terminologies. The nuances of guest profiles and the corresponding implications of the cruise geographic location. The requirement of the manning agencies and the cruise ships – from documentation to competency. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C603. Cruise Management 3. This course will focus on building one's career in the cruise industry – from career preparedness to understanding the culture (both guests and cruise ships). *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: HTM C604.*

HTM C604. Cruise Management 2. This course focuses on tangibles to equip future crew members of the luxury liners with the skills and knowledge that will prepare them when they go on board the ship. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: HTM C601.*

HTM C605. Special Topics in the Cruise Industry. This course provides students with the latest trends in the cruise industry, particularly which pertains to technologies, human resources, physical facilities, and sales and marketing updates. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C607. Cruise Line Internship. The practicum workload is intended to help undergraduates apply their formal education in a real-world environment. By following the instructions given in the training logbook (witphasis on working skills), students are required to undertake a 600-hour practicum, specifically in the cruise
line company. They may be assigned in the office operations or in the actual operations, such as but not limited to Housekeeping, Front Office, Food and Beverage, and Kitchen departments. Close contact with a workplace supervisor/mentor is needed as students are required to produce both a training report, with an emphasis on problem-solving, and supervisors' evaluations. The course requires the students to attend the internship orientation, submit medical clearance, and take a psychological exam. Students should also be able to communicate with their adviser through CANVAS, consult based on the agreed schedule, and submit the requirements on time. *Lecture: 0 unit. Laboratory: 6 units. Credit: 6 units. Prerequisite: HTM C201, HTM C404, HTM C412, HTM C604.*

HTM C609. Basic Safety Training. This course will cover and understand the International Convention on Standards of Training, Certification, and Watchkeeping for Seafarers (STCW). Demonstrate and apply medical emergency and/or First Aid if necessary, and execute the personal survival techniques if needed. Apply basic fire-fighting techniques, personal safety, and social responsibilities in case of emergency, and use land and sea survival techniques when necessary. Close contact with a workplace supervisor/mentor is needed as students are required to produce both a training report, with an emphasis on problem-solving, and supervisors' evaluations. The course requires the students to attend the internship orientation, submit medical clearance, and take a psychological exam. Students should also be able to communicate with their adviser through CANVAS, consult based on the agreed schedule, and submit the requirements on time. *Lecture: 0 unit. Laboratory: 3 units. Credit: 3 units. Prerequisite: HTM C201, HTM C404, HTM C412, HTM C604.*

HTM C704. Transportation Management. This course discusses the general knowledge of transportation, its role in tourism, planning, and policies. The content includes transportation, modes of transportation, transportation operation, including the concepts and methods of analysis, infrastructure, and geographical and legal factors relating to local and international transportation. Topics include discussion of the surface, air, and water transportation; organizations, operations, and regulatory and marketing aspects; examination of the inter-model concept; and the social, economic, and political factors that have influenced government transportation priorities. This course includes a visit to transportation-related offices to appreciate their actual operations. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C709. Sustainable Tourism. Students will have a broad understanding of environmental issues and their impact upon the tourism industry; therefore, course areas such as pollution, waste management, and biodiversity will be the primary focus. Awareness and the understanding of the implications of tourism impacts, especially on socio-cultural and environmental aspects, are critical to properly guided sustainable tourism planning and development. The natural and cultural environment of the communities and global destinations will be explored to enable the students to critically interpret tourism interdependency and the changes and development of domestic and international tourism policy. The course critically examines tourism planning as a process and a set of techniques for sustainable tourism development. It focuses on the physical environment of tourism planning and the social, cultural, and political realities of planning and policymaking. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C710. Global Culture and Tourism Geography. This course shall have students analyze and familiarize themselves with specific world travel destinations, with emphasis on the exploration of geographic features, customs, and traditions, population centers, visitor attractions, political, religious, language, and other cultural differences as these relate to the hospitality and travel industry. Students will develop understanding as well as a sense of responsiveness for cultural values and traditions that exist beyond their own culture. Students will be able to identify international travel patterns by locating various major cities, natural wonders, historic sites, and other tourist attractions, both man-made and natural, focusing as well with the major travel-generating and travel–receiving areas. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: HTM C202.*

HTM C711. Tour and Travel Management. The course studies the role of the Travel Agency and Tour Operator in the Tourism Industry, leading to a better understanding of the trade and its internal workings, the role of each component in offering cost-effective and good "value for money" products for its clients. It also

includes topics such as tour products and its different development and marketing as well as a travel agency and a tour operator organization and functions. In addition to lecture classes, the students are exposed to the skills required in the travel trade, such as interpersonal and communication skills, terminologies, documentation, procedure, and systems used. This course is anchored in TESDA training regulations. At the end of the course, students may acquire Travel Services NCII as an alternative in their final examination, which may also help them gain future work in the industry. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C714. Tourism Policy Planning and Development. Students will be able to understand tourism planning as a process and as a set of techniques for sustainable tourism development, giving importance to the physical environment and the social, cultural, and political realities of planning and policymaking. Students will engage with practical planning tools and strategies, industry, government, fieldwork, and individual and group projects to develop an understanding of tourism policy-making processes and to gain skills in both evaluation and development of tourism plans and policies. Students will also discover tourism as a strategy for urban revitalization, conservation, agriculture, and historic preservation while promoting the value of tourism in enhancing community character, culture, quality of life, and sense of place. Case studies in the Philippines setting are emphasized. The discussion will also be made on the Philippines Tourism Master Plan to allow the students an overview of what real plans are like and experience evaluation by measuring the actual achievements of the government against their plans. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: HTM C407.*

HTM C716. Research in Tourism 1. This course describes the skills, knowledge, and performance outcomes required to develop a research orientation among students and to acquaint them with fundamentals of research methods like quantitative, qualitative, or mixed methods research approaches that will lead to the production of a good, timely and relevant research study. It also encompasses the critical understanding of identifying and assessing ethical issues related to research, the awareness, and benefits of research in the field of interest, as well as their future career in society or community, and in the local and global environment. The final requirement of the course is the student defense of Chapters 1 to 3 of their chosen research topic. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C718. Research in Tourism 2. This course provides students with the knowledge, skills, and attitude in data gathering and finalizing their research study.

The output in Research in Tourism 1 will be used as the take-off point of this course. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: HTM C716.*

HTM C719. Applied Business Tools and Techniques in Tourism. This course describes the skills, knowledge, and performance outcomes required to understand and operate relevant IT systems that are used in the Airline Industry. Topics covered include the AMADEUS system for Airline reservations. *Lecture: 2 units. Laboratory: 1 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C720. Elective 3. Course option: Cruise Tourism and Casino Gaming Operations. The course deals with the overall cruise sales and management components. It discusses the world and international cruise line industry's sales and management. It also focuses on part of cruise ships, safety and regulations and all its components. Familiarization with the requirements in international cruise, flag state, and port regulations, and what to expect from cruise and its customers is also given importance. It also includes tours to domestic and/or international cruise lines/ships for necessary exposure and familiarization and attending cruise line seminars for additional inputs necessary for the course. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C722. Elective 4. Course option: Travel Writing and Photography. This course aims to equip students with the knowledge and techniques relevant to creating publishable feature articles and capturing travel-related still images. It will also cover topics like ethical practices in travel writing, finding a fascinating travel story, doing research for a feature story, writing and photography techniques, pitching story ideas, and ways to compose and frame photographs that tell a story and are appropriate for the articles. The course will not only prepare students to write and take photos but also explore the possibility of becoming a travel writer or photographer or turn the journalistic skills eventually into a business venture. With that, topics such as marketing strategies, digital publication, markets, legal aspects as well as what publishers and editors are looking for in a publishable work will also be covered. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C723. Elective 1. Course option: Sustainability Assessment and Development. This course will lead Students to have a broad understanding of Recreation and Leisure Management to explore and understand in its importance in society and equip them with the knowledge that will assist them in the role of recreation planners. Recreation management incorporates wellness management, leisure concepts, recreation planning, and recreation and sport event programming to provide students with a thorough background. The student will develop knowledge, skills, and values on the basic principles, approaches, systems, and

activities of Tourism, Recreation, and Leisure applied in the tourism and hospitality industry. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C724. Entrepreneurship in Tourism. This course describes the skills, knowledge, and performance outcomes required to plan and develop a feasible Business Plan by understanding the nature and scope of entrepreneurship, scanning the market of potential entrepreneurial venture opportunities, and identifying and evaluating the methods of venturing into business, including but not limited to starting one's own business, buying existing businesses and the process of franchising. It also emphasizes assessing the possible characteristics and mindset of entrepreneurs, analyzing typical entrepreneurial venture challenges, errors, and rewards, identifying effective strategic management, developing products and service innovations, and introducing the concepts of environmentally sustainable practices, social entrepreneurship, and intellectual property management. The final requirement of the course is student's defense of their business plan. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C725. Elective 2. Course option: Tourism Data Analytics. This course will equip students with the necessary skills to analyze, interpret, develop, and present factual data in the tourism and hospitality sectors. The course will help the students to leverage and formulate data analysis, reports, and presentations that will be useful in the decision-making and strategy formulation of the tourism and hospitality sectors. This course helps students develop the understanding that they will need to make informed decisions using data and to communicate the results effectively. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C725A. Travel Writing and Photography. This course provides the competencies of a travel writer, which include invoicing, problem handling, and pitching ideas. Along with finding your writing style, this course also helps with tips on travel photography. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C725B. Professional Tour Guiding. This course provides professional tour guides, specialized site, and destination expertise, develops good communication and organizational skills, provides excellent customer service, and advances their leadership and managerial skills. This course also includes competency in first aid and occupational health and safety skills. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C727. Special Topics in the Tourism Industry: Heritage Tourism. Heritage Tourism is an immersive course that delves into the fascinating world of preserving, promoting, and experiencing cultural heritage through travel and

exploration. This course is designed to spark passion for history, culture, and sustainable tourism practices. Through a combination of theoretical knowledge and practical applications, participants will gain a comprehensive understanding of the significance of heritage tourism and its impact on communities, economies, and the preservation of our shared human heritage. *Lecture: 3 units. Laboratory: 0 unit. Credit: 3 units. Prerequisite: NONE.*

HTM C729. Airline Internship with Basic Cabin Crew Training. The practicum workload is intended to help undergraduates apply their formal education in a real-world environment. By following the instructions given in the training logbook (with an emphasis on working skills), students are required to undertake a 600-hour practicum in various areas of an airline company.

Close contact with a workplace supervisor/mentor is needed as students are required to produce both a training report, with an emphasis on problem-solving, and supervisors' evaluations. The course requires the students to attend the internship orientation, submit medical clearance, and take a psychological exam. Students should also be able to communicate with their adviser through CANVAS, consult based on the agreed schedule, and submit the requirements on time. *Lecture: 0 unit. Laboratory: 6 units. Credit: 6 units. Prerequisite: HTM C202, HTM C311, HTM C704, HTM C710, HTM C711, HTM C718.*

HTM C731. Travel Agency Internship. The practicum workload is intended to help undergraduates apply their formal education in a real-world environment. By following the instructions given in the training logbook (with an emphasis on working skills), students are required to undertake a 200-hour practicum in a travel and tour agency. Close contact with a workplace supervisor/mentor is needed as students are required to produce both a training report, with an emphasis on problem-solving, and supervisors' evaluations. The course requires the students to attend the internship orientation, submit medical clearance, and take a psychological exam. Students should also be able to communicate with their adviser through CANVAS, consult based on the agreed schedule, and submit the requirements on time. *Lecture: 0 unit. Laboratory: 2 units. Credit: 2 units. Prerequisite: HTM C202, HTM C311, HTM C704, HTM C710, HTM C711, HTM C718.*

NURSING AND HEALTH SCIENCES

NUR C101. Anatomy and Physiology. This course is intended for students pursuing a career in health-related fields. The course includes discussions on the structure and functions of the human body. This includes lecture/demonstrations on the microscopic study of the different tissues of the

human body, using fresh and prepared materials, and demonstrations of some of the most important functions of the various parts of the human body. It provides critical thinking activities for students to apply concepts learned. Laboratory work is required. *Lecture: 3 units. Lab: 2 units. Credit: 5 units. Prerequisite: NONE*

NUR C102. Health Assessment. The course deals with concepts, principles, and techniques of history taking, head-to-toe physical examination, and psychosocial assessment using various tools and interpretation of laboratory findings to arrive at a nursing diagnosis. The learners are expected to perform holistic nursing assessment of an individual adult client. *Lecture: 3 units. RLE: 2 units. Credit: 5 units. Prerequisite: NUR C101, NUR C105.*

NUR C104. Health Education. This course deals with the concepts, principles, and theories in teaching and learning. It also focuses on the appropriate strategies of health education as they apply in various health care scenarios. The learners are expected to develop beginning skills in designing and implementing a teaching plan using the nursing process as a framework. *Lecture: 3 units. Credit: 3 units. Prerequisite: NUR C101, NUR C105.*

NUR C105. Theoretical Foundations in Nursing. This course deals with nursing theories as applied to nursing practice on the aspect of the met paradigm: person, health, environment, and nursing. Likewise, it includes other theories relevant to nursing. The learners are expected to use these theories as a basis and guide in nursing practice. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE.*

NUR C106. Fundamentals of Nursing Practice. This course deals with concepts, principles, theories, and techniques basic to nursing as a profession, science and art. It emphasizes the concept of man as a holistic being and the professional roles of the nurse in a health care setting. The learners are expected to utilize the nursing process and the basic nursing skills as a primary tool in health promotion, disease prevention, restoration, maintenance, and rehabilitation. *Lecture: 3 units. RLE: 2 units. Credit: 5 units. Prerequisite: NUR C101, NUR C105.*

NUR C201. Community Health Nursing 1 (Individual and Family as Clients). This course deals with concepts, principles, theories, and techniques in the provision of basic care in terms of health promotion, disease prevention, restoration, maintenance, and rehabilitation at the individual and family level. It includes the study of the Philippine Health Care Delivery System, the national health situation, and the global context of public health. The learners are expected to provide safe, appropriate, and holistic nursing care to individuals and families as clients in a community setting, utilizing the nursing process. *Lecture: 2 units. RLE: 2 units.*

Credit: 4 units. Prerequisite: NUR C101, NUR C102, NUR C104, NUR C105, NUR C106, NUR C108.

NUR C202. Care of Mother and Child at Risk or With Problems (Acute and Chronic). This course deals with concepts, principles, theories, and techniques in the nursing care of at-risk / high-risk/sick clients during childbearing and childrearing years toward health promotion, disease prevention, restoration and maintenance, and rehabilitation. The learners are expected to provide safe, appropriate, and holistic nursing care to clients utilizing the nursing process. *Lecture: 6 units. RLE: 6 units. Credit: 12 units. Prerequisite: NUR C203, NUR C205, NUR C207, NUR C209.*

NUR C203. Nutrition and Diet Therapy. This course deals with the study of food in relation to health and illness. It covers nutrients and other substances and their action, interaction, and balance in relation to health and diseases, and the process by which the human body ingests, digests, absorbs, transports, utilizes, and excretes food substances. It also focuses on the therapeutic and food services aspect of the delivery of nutritional services in hospitals and other health care institutions. The learners are expected to develop the competencies in appropriate meal planning and education of a given client. *Lecture: 2 units. Lab: 1 unit. Credit: 3 units. Prerequisite: NUR C101, NUR C102, NUR C106, NSC C103.*

NUR C204. Nursing Informatics. This course deals with concepts, principles, theories, and techniques of nursing informatics in clinical practice, education, and research. The learners are expected to use the system of informatics to support the delivery of health care. *Lecture: 2 units. RLE: 1 unit. Credit: 3 units. Prerequisite: NONE.*

NUR C205. Pharmacology. This course deals with the pharmacodynamics, pharmacokinetics, and clinical/therapeutic uses of drugs in health promotion, disease prevention, restoration and maintenance, and rehabilitation of clients across the lifespan utilizing the nursing process. Emphasis is given on the nursing responsibilities related to safe drug administration through medication monitoring and client education. It also includes complementary and alternative therapies. The learners are expected to develop beginning skills in the safe administration of medication. *Lecture: 3 units. Credit: 3 units. Prerequisite: NUR C101, NUR C102, NSC C103, NUR C105, NUR C106, MAT C101.*

NUR C207. Care of Mother, Child, Adolescent. This course deals with concepts, principles, theories, and techniques in the nursing care of individuals and families during childbearing and child-rearing years toward health promotion, disease prevention, restoration and maintenance, and rehabilitation. The learners are

expected to provide safe, appropriate, and holistic nursing care to clients utilizing the nursing process. *Lecture 4 units. RLE 5 units. Credit: 9 units. Prerequisite: NUR C102, NUR C104, NUR C106.*

NUR C209. Health Care Ethics. This course deals with the application of ethico-moral concepts and principles affecting the care of individuals, families, population groups, and the community. It involves discussion of issues and concerns in varied health care situations. The learners are expected to apply sound decision-making in varied health scenarios. *Lecture: 3 units. Credit: 3 units. Prerequisite: NONE*

NUR C301. Nursing Research I. This course deals with concepts and principles in the application of the major phases of the nursing research process. It introduces the beginning role of the nurse as a nurse researcher. The learners are expected to develop a technically and ethically sound research proposal. *Lecture: 2 units. RLE: 1 unit Credit: 3 units. Prerequisite: MAT C101, NUR C105, NUR C204.*

NUR C302. Nursing Research II. This course deals with the application of concepts, principles, theories, and techniques in the major phases of the nursing research process. This includes the collection, analysis, interpretation, and presentation of data, conclusions, and recommendations. The learners are expected to produce and disseminate a technically and ethically sound research study. *RLE: 2 units. Credit: 2 units. Prerequisite: NUR C301.*

NUR C303. Care of Clients with Problems in Oxygenation, Fluid and Electrolytes, **Infectious, Inflammatory, and Immunologic Response, Cellular Aberrations, Acute and Chronic.** This course deals with concepts, principles, theories, and techniques of nursing care management of at-risk and sick adult clients in any setting with alterations/problems in oxygenation, fluid and electrolytes, infectious, inflammatory, and immunologic response, cellular aberrations, acute and chronic. The learners are expected to provide nursing care to at-risk and sick adult clients utilizing the nursing process. *Lecture: 8 units, RLE: 6 units. Credit: 14 units. Prerequisite: NUR C202, NUR C203, NUR C205, NUR C209.*

NUR C304. Care of Clients with Problems in Nutritional and Gastro-Intestinal Metabolism and Endocrine, Perception, and Coordination (Acute and Chronic). This course deals with concepts, principles, theories, and techniques of nursing care of at-risk and sick adult clients in any setting with alterations/problems in nutrition, gastrointestinal, metabolism, endocrine, perception, and coordination, acute and chronic, toward health promotion, disease prevention, restoration, maintenance, and rehabilitation. The learners are expected to provide safe, appropriate, and holistic nursing care to at-risk and sick adult clients utilizing the

nursing process. *Lecture: 5 units. RLE: 4 units. Credit: 9 units. Prerequisite: NUR C303.*

NUR C305. Community Health Nursing 2 - This course deals with concepts, principles, theories, and techniques in the care of population groups and communities utilizing community organizing strategies toward health promotion, disease prevention, restoration and maintenance, and rehabilitation and community development. The learners are expected to provide safe, appropriate, and holistic nursing care to clients utilizing the community health nursing process. *Lecture: 2 units. RLE: 1 unit. Credit: 3 units. Prerequisite: NUR C201.*

NUR C306. Care of Clients with Maladaptive Patterns of Behavior, Acute, and Chronic. This course deals with the principles, theories, and techniques in the nursing care management of clients towards the promotion of mental health and prevention of mental illness and for the care management of clients in psychiatric emergencies and/or with psychobiologic disorders emphasizing the management of alterations in thought content and processes, psycho-emotional disturbances and maladaptive patterns of behavior of individuals, communities, population groups, and vulnerable groups across the lifespan, in any health care setting.

The learners who complete this course are expected to provide safe, appropriate, evidence-based, holistic, and individualized care to meet the full range of needs of the client person/s experiencing psychiatric emergencies and/or those with mental health alteration/s through the principles and cultural/ethical sensitivities. *Lecture: 4 units. RLE: 4 units. Credit: 8 units. Prerequisite: NUR C202, NUR C209, NUR C303 & NUR C307.*

NUR C307. Care of Older Adults. This course deals with concepts, principles, theories, and techniques in the care of older adults. The learners are expected to perform holistic nursing care of older persons in wellness and chronic illness, utilizing the nursing process. *Lecture: 2 units. RLE: 1 unit. Credit: 3 units. Prerequisite: NUR C202, NUR C203, NUR C205.*

NUR C401. Care Of Client with Life-Threatening Conditions, Acutely Ill/ Multi-Organ Problems, High Acuity and Emergency Situations. This course deals with concepts, principles, theories, and techniques of nursing care of sick adult clients with life-threatening conditions, acutely ill / multi-organ problems, high acuity and emergency situations toward health promotion, disease prevention, restoration and maintenance, and rehabilitation. The learners are expected to provide safe, appropriate, and holistic nursing care to groups of clients with health problems and special needs using the Nursing process. *Lecture: 4 units. RLE: 5 units Credit: 9 units. Prerequisite: NUR C209, NUR C304, NUR C306.*

NUR C402. Disaster Nursing. Application of concepts, principles, and strategies in disaster risk reduction and management to help save lives and build resilience. *Lecture: 2 units. RLE: 1 unit. Credit: 3 units. Prerequisite: NUR C209, NUR C305, NUR C403.*

NUR C403. Nursing Leadership and Management. This course deals with the application of the concepts, principles, theories, and methods and strategies of management and leadership in the delivery of client care based on professional standards of nursing practice. The learners are expected to perform beginning professional management and leadership skills, and apply sound ethico-moral and legal decision-making in the hospital, community-based, or any setting. *Lecture: 4 units. RLE: 3 units. Credit: 7 units. Prerequisite: NUR C209, NUR C302, NUR C304, NUR C306.*

NUR C404. Intensive Nursing Practicum (Hospital and Community Settings).*RLE: 8 units. Credit: 8 units. Prerequisite: NUR C105, NUR C102, NUR C104, NUR C106, NUR C201, NUR C203, NUR C205, NUR C207, NUR C209, NUR C202, NUR C204, NUR C301, NUR C303, NUR C305, NUR C307, NUR C302, NUR C304, NUR C306, NUR C401, NUR C403, NUR C405.*

NUR C405. Decent Work and Employment and Transcultural **Nursing**. This course deals with decent work employment, which will focus on different topics to improve a positive workplace environment, and transcultural nursing, which involves the roles and activities of a nurse in integrating cultural values into the nursing services. *Lecture: 3 units. Credit: 3 units. Prerequisite: NUR C209.*

NUR C407. Competency Appraisal 1. This course deals with the application of the concepts, principles, and processes basic to the practice of mapping with emphasis on health promotion, health maintenance, disease prevention, risk reduction, curative and rehabilitative aspects of care for the mother, child & family, population group at risk and community; and clients with problems in oxygenation fluid and electrolyte balance, metabolism and endocrine system, inflammatory and immunologic response, reception & coordination. It includes the utilization of the nursing process and the core competencies under the 14 key areas of responsibility. *Lecture: 3 units. Credit 3 units. Prerequisite: NUR C305, NUR C307, NUR C302, NUR C304, NUR C306.*

NUR C408. Competency Appraisal 2. This course deals with the application of the concepts and principles. It processes basic to the practice of nursing with emphasis on health promotion, health maintenance, disease prevention, risk reduction, curative and rehabilitative aspects of care of sick

individuals with alterations in cellular aberrations, adjustment problems, and maladaptive patterns of behavior, acute biological crisis, including disaster and emergency nursing. It includes the utilization of the nursing process and the core competencies under the fourteen (14) key areas of responsibility, research, management, and leadership skills in the practice of nursing. *Lecture: 3 units. Credit 3 units. Prerequisite: NUR C401, NUR C403, NUR C405, NUR C407*





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