

OFFICERS OF THE ADMINISTRATION

VICENTE K. FABELLA
President

BARBARA WONG-FERNANDEZ
Vice President - Higher Education
Director, Research Office

MA. CRISTINA F. BATE
Vice President - Basic Education

NORMA M. MONTALVO
Vice President - Administrative Affairs

LILIA R. BAUTISTA
Dean, Law School

WENDY R. ACEBEDO
Dean, Nursing

CARLITO D. GARCIA
Dean, Liberal Arts, Criminology and Education

MILANI M. AUSTRIA
Dean, Computer Studies

MA. LUISA Z. SABA
Dean, Student Affairs

RONALD DEXTER V. ANTIPORDA
Dean, Hospitality and Tourism Management

LEODIGARIO M. DAVID
Dean, Business and Accountancy

ROMEL C. NAVARRO
Principal, High School

JOSEPHINE B. CULALA
Principal, Elementary School

ROSELA D. DEL MUNDO
University Librarian

MENDELSON P. QUIBA
Director, Guidance & Testing Office

MANUEL A. QUIAMBAO
Assistant Dean, Law School

GRACE MARIE B. MARTIN
Assistant Principal, High School

JOSE P. VIERNES
Assistant Principal, Elementary School

BENJIE A. EVANGELIO
Assistant Registrar

THEODORE U. CALAGUAS
Vice President - Financial Affairs

AUGUSTO K. FABELLA
Vice President - Information Systems

MA. CARMELA F. BATE
Director, Treasury Office

BRIAN GAIL E. BAUTISTA
Director, Marketing & Communications Office

EDNA C. CRUZ
Director, Information Technology Office

MANOLO A. DELA PAZ
University Registrar

CAROL A. FERNANDEZ
Director, Budget & Payroll Office

RENANTE G. FERNANDEZ
Director, Accounting

FABIAN B. QUITALES
Director, Administrative & Personnel Office

EFREN JOSE Y. SUPAN
Director, Athletics Office

BONIFACIO C. TALENS
Director, Engineering & Maintenance Office

NOEMI R. BUGARIN
Assistant Librarian

CEZAR C. CABALLES
Assistant Director, Information Technology Office

ELENITA G. SABA
Assistant Director, Information Technology Office

JOSEPH S. DELA CRUZ
Assistant Director, Engineering & Maintenance Office

MARIA KARENINA S. GUILLERMO
Assistant Director, Office of the President

RECHILDA B. IBARDOLAZA
Assistant Director, Administrative & Personnel Office

MICHELLE S. PRADO
Assistant Director, Administrative & Personnel Office

THE COLLEGIATE DIVISION

WENDY R. ACEBEDO

Dean, Nursing

MILANI M. AUSTRIA

Dean, Computer Studies

RONALD DEXTER V. ANTIPORDA

Dean, Hospitality and Tourism Management

CARLITO D.GARCIA

Dean, Liberal Arts,
Education and Criminology

LEODIGARIO M. DAVID

Dean, Business and Accountancy

MA. LUISA Z. SABA

Dean, Student Affairs

DEPARTMENT CHAIRPERSONS AND COORDINATORS

Daisy A. Dela Cruz

Liza R. Reyes

Ervin A. Salazar

Tirso O. Palermo

Arlene Mae C. Valderama

Maybelle A. Gallardo

Eleonora E. Claricia

Teresita D. Dijamco

Elenita S. Valdez

Lotis Melinda V. Bernarte

Luzviminda M. Orinday

Accounting

Computer Engineering

Criminology

Economics and Finance

Education

History and Social Sciences

Hotel and Restaurant Management

Information Technology

Languages

Management and Marketing

Mathematics

Natural Sciences

Tourism Management

Nursing, Academic Coordinator

Nursing, Clinical Coordinator

Student Coordinator

FACULTY

- Eduardo J.F. Abella.** *Law. Dean, Law School.* BCS (Magna Cum Laude), Jose Rizal College; LLB (Cum Laude), Jose Rizal College; Member, Philippine Bar
- Albert Ryan S. Abelido.** *Accounting.* BSA, University of the Philippines
- Jay N. Ablao.** *Nursing.* BSN, Mary Chiles College; MAN, Dr. Carlos Lanting College; MAEd, Dr. Carlos Lanting College
- Wendy R. Acebedo.** *Nursing. Dean, Nursing.* BSN, University of Santo Tomas; MAN, University of Asia and the Pacific
- Lorna Adalid.** *History and Political Science.* BSE, Manila Quezon College; MPA, Jose Rizal College; MAEd, National University
- Pompeyo C. Adamos II.** *History.* AB, Ateneo de Manila University; MA, Ateneo de Manila University
- Arnold O. Adante.** *History.* AB (Magna Cum Laude), San Sebastian College; MA, Centro Escolar University; EdD, Eulogio "Amang" Rodriguez Institute of Science and Technology
- Elizabeth A. Agtarap.** *English.* BSEd, St. Paul University; MA, St. Paul University; EdD, Eulogio "Amang" Rodriguez Institute of Science and Technology
- Gina E. Agus.** *History.* AB, Far Eastern University; MAEd, Philippine College of Health and Sciences
- Mary Mylyn Carmelli A. Allesia.** *Hotel and Restaurant Management.* BSFS, Lyceum of the Philippines; MA, Lyceum of the Philippines
- Robert E. Almazan.** *Information Technology.* BScPE, Central Colleges of the Philippines
- Antonio Almoite.** *Filipino.* BSE, Jose Rizal University; MAEd, Jose Rizal University
- Prosini Anave.** *Languages.* Bachelor of Arts in Journalism, University of the Philippines; MPA, University of the Philippines
- Marlon T. Andaya.** *Hotel and Restaurant Management.* BSHRM, Eulogio "Amang" Rodriguez Institute of Science and Technology; Master in Management, University of Rizal System
- Michael Darcy S. Andrey.** *Hotel and Restaurant Management.* BSHRM, Emilio Aguinaldo College
- Roberto R. Anicoche.** *Mathematics.* BSME, University of the East; R.M.E.
- Ronald Dexter V. Antiporda.** *Hotel and Restaurant Management. Dean, Hospitality and Tourism Management, College Division.* BSHRM, Emilio Aguinaldo College; MSBA-HRM (Excellent), Philippine Women's University
- Lolita L. Aranas.** *Natural Science.* BSMT (Cum Laude), Divine Word University Tacloban; MPHMP Manila
- Marife V. Arias.** *Education.* BSSA, Manuel L. Quezon University; MAEd, Trinity University of Asia

- Milani M. Austria.** *Information Technology. Dean, Computer Studies, College Division.* BS, Polytechnic University of the Philippines; MBA, Jose Rizal College; MAEd, Jose Rizal University; PhD, Rizal Technological University
- Emmanuel C. Averilla.** *Information Technology.* BSCE, Don Bosco Technical College; MBA, Jose Rizal University
- Virgilio C. Avila.** *Accounting.* BSBA (Magna Cum Laude), University of the East; MBA, (With High Distinction), De La Salle University; CPA, Philippines
- Lourdes L. Bacuyag.** *Nursing.* BSN, Olivarez College; MAN, Philippine College of Health and Sciences
- Richard Emerson D. Ballester.** *Economics.* AB, Bicol University; MA in International Development (With Distinction), International University of Japan (IUP)
- Jose Antonio M. Baltazar.** *Management.* AB, University of Victoria (British Columbia, Canada); MS in Business Administration (Magna Cum Laude), Saint Louis University
- Wilfredo A. Bantados.** *English.* BSE, Laguna College of Business and Arts; MAEd, University of Perpetual Help; EdD, University of Perpetual Help
- Romarico M. Barrientos.** *English.* BSE, University of the East
- Celso S. Bate.** *Accounting and Finance.* BSC, Far Eastern University; CPA, Philippines
- Crisostomo F. Bate.** *MBA, Finance and Management.* BSC, De La Salle University; MBM, Asian Institute of Management
- Ma. Cristina F. Bate.** *MA and Psychology. Vice President for Basic Education.* AB, De La Salle University; MA, Columbia University (USA); EdD, De La Salle University
- Precila R. Bautista.** *Finance.* ASS, Jose Rizal College; BSBA, National College of Business and Arts; MBA, Jose Rizal College; MPA, Jose Rizal University; DBA, Pamantasan ng Lungsod ng Maynila
- Fernando A. Belarmino.** *Information Technology.* BSMath, Polytechnic University of the Philippines
- Jose A. Bereber.** *Natural Science.* BS MedTech, Central Philippine University; BSEd, Jose Rizal College; MBA, Jose Rizal University; Registered Medical Technologist, Philippines
- Rolando U. Bermas.** *Accounting.* BSBA (Cum Laude), University of the East; MPA (With Distinction), Jose Rizal University; CPA, Philippines
- Michael S. Bernal.** *Philosophy.* BSE, Philippine Normal University; MA, University of the Philippines
- Lotis Melinda V. Bernarte.** *Nursing. Clinical Coordinator.* BSN, Divine Word University; MAN, Philippine College of Health and Sciences
- Angellica R. Biteranta.** *Natural Science.* BS Chem, Centro Escolar University; MAT, Central College of the Philippines
- Hermogenia T. Bola.** *Accounting.* BCS, Jose Rizal College; MBA, Ateneo de Manila University; CPA, Philippines
- Darwin Bonifacio.** *History and Social Science.* BSE, Pasig Catholic College; MAEd, National Teachers College; PhD in Education Management, Cavite State University

- Don Erick J. Bonus.** *Information Technology.* BS Math, Polytechnic University of the Philippines; MSCS, De La Salle University
- Evelyn T. Briones.** *Economics.* AB, Philippine Women's University; MBA, Jose Rizal College; LLB, Philippine Law School
- Luz C. Buena.** *Information Technology.* BSCE, Mindanao State University
- Wilbur Leigh D. Buhay.** *Hotel and Restaurant Management.* BSHRM, Polytechnic University of the Philippines
- Rita L. Butil.** *Natural Science.* BS Chemical Engineering, University of Bohol; MAEd, Jose Rizal University
- Dolores I. Cabansag.** *Nursing.* BSN, Luzon Colleges; MAN, Manila Central University
- Theodore U. Calaguas.** *MBA and MPA. Vice President for Financial Affairs.* BCS (Cum Laude), Jose Rizal College; MBA, University of the Philippines; CPA, Philippines
- Virgilio J. Calaguas.** *Accounting.* BCS, Jose Rizal College; CPA, Philippines
- Edmongino J. Camacho.** *Psychology and Sociology.* BSMT, Centro Escolar University; MA, University of Santo Tomas
- Israel V. Cariño.** *Information Technology.* BSIT, St. Louie University; MIT, University of the Cordilleras
- Ma. Ana B. Castillejos.** *Natural Science.* BS Biology, Cagayan State University; MAEd, National Teachers College
- Leopoldo G. Castillo.** *Nursing.* BSN, De Ocampo Memorial College; MAN, Arellano University
- Aprille Loussel M. Castro.** *Information Technology.* BSCPE, Mapua Institute of Technology; MIT, Pamantasan ng Lungsod ng Maynila
- Cherry D. Casuat.** *Computer Engineering.* BSCPE, Adamson University; ME (CPE), Adamson University
- Mary Ellaine R. Cervantes.** *Information Technology.* BSCS, Adamson University; MTE, Technological University of the Philippines
- Marietta S. Cielo.** *Sociology and Psychology.* AB, Far Eastern University; MIP, Far Eastern University; MAEd, Jose Rizal University
- Eleonora E. Claricia.** *Mathematics. Chairperson, College Division, Mathematics.* AB, Jose Rizal College; MAEd, Jose Rizal University
- Gina R. Clemente.** *Computer Science.* BSCS, Arellano University
- Efren S. Consemينو.** *Education.* BSE, Philippine Christian University; MAEd, Eulogio "Amang" Rodriguez Institute of Science and Technology
- Jefferson A. Costales.** *Information Technology.* BSCS, STI College; MIT, STI College
- Rodrigo D. Costales.** *Political Science.* AB, Philippine Christian University; MAEd, Lyceum of the Philippines; PhD, Lyceum of the Philippines

- Amelita B. Cruz.** *English.* BSEd, Philippine Women's University; MAEd in Guidance and Counseling, Philippine National University; MAEd in Educational Management, Marikina Institute of Science and Technology
- Arnel E. Cruz.** *Hotel and Restaurant Management.* BSBA, University of Sto. Tomas; MBA, Ateneo de Manila University
- Cynthia Cruz.** *Languages.* BSEEd, Manuel L. Quezon University; MA, Manuel L. Quezon University; PhD, Manuel L. Quezon University
- Edna C. Cruz.** *Information Technology. Director, Information Technology Office.* BSCS, Pamantasan ng Lungsod ng Maynila; MSIM, Ateneo Information Technology Institute, ADMU
- Josephine B. Culala.** *Education. Principal, Elementary School Division.* BSEEd, Pamantasan ng Lungsod ng Maynila; MAEd, Philippine Normal University
- Ma. Ana Belen S. Cuyugan.** *History.* BSM, Philippine School for Business Administration; MPA, Philippine College for Health and Sciences
- Agapita A. Danganan.** *Filipino.* BSEEd, Divine Word College; MA, Manuel L. Quezon University; EdD, Manuel L. Quezon University
- Chenita P. Dapito.** *Languages.* BSEd, Mindoro College; MAT Rdg.; MAEd; Eulogio "Amang" Rodriguez Institute of Science and Technology; EdD, Eulogio Amang Rodriguez Institute of Science and Technology
- Daniel D. Dasig, Jr.** *Information Technology.* BSCPE, Samar State University
- Apolinar P. Datu.** *Tourism.* BST, Centro Escolar University; MAT, Central Colleges of the Philippines
- Mary Grace C. Dayrit.** *English.* BSE, Don Henrico Ventura Technological State University; MAEd, Don Henrico Ventura Technological State University
- Leodigario M. David.** *Management. Dean, Business and Accountancy, College Division.* BSBA, University of the Philippines; MBA, Wesleyan University; PhD, Nueva Ecija University of Science and Technology
- Hermegenia David.** *Filipino.* BSE, Jose Rizal College; MAED, Jose Rizal University; PhD., College of Health and Sciences, Inc.
- Daisy A. Dela Cruz.** *Accounting. Chairperson, College Division, Accounting.* BSBA, University of the East; MBA, Jose Rizal University; CPA, Philippines
- Jannette P. Dela Cruz.** *Filipino.* AB, Jose Rizal University; MAEd, Jose Rizal University
- Leonito Q. Dela Cruz.** *Hotel and Restaurant Management.* BSHRM, Eulogio "Amang" Rodriguez Institute of Science and Technology
- Roderick D. Dela Cruz.** *Hotel and Restaurant Management.* BSHM, Pamantasan ng Lungsod ng Pasig; MA, Philippine Women's University
- Rommel B. Dela Cruz.** *English.* AB Political Science, Adamson University; MA in Education Teaching English, Philippine Normal University; Extramural European Language Course, University of the Philippines; MA, Philippine Normal University; PhD, University of the Philippines; EdD, Philippine Women's University

- Suzanne Patrias V. Dela Hostria.** *Mandarin.* BSE, University of the Philippines; MAEd, Philippine Normal University
- Nelly D. De Leon.** *Information Technology.* BSBA, Central Colleges of the Philippines; MBA, Manuel L. Quezon University; MSIT, University of Lasalette; PhD, Manuel L. Quezon University
- Victoria Sabina L. De Leon.** *Accounting.* BCS, Jose Rizal College; CPA, Philippines
- Jimmy A. Del Rosario.** *Mathematics.* AB, Jose Rizal College; BCS, Jose Rizal College; MA, Polytechnic University of the Philippines
- Mary Rose F. Dellosa.** BSN, Liceo de Cagayan University; MAN Philippine College of Health and Sciences
- Lester G. Diamnoc.** *Information Technology.* BSCS, Adamson University; MME, Polytechnic University of the Philippines
- Maria Lucille E. Diaz.** *Nursing.* BSN, Emilio Aguinaldo College; MAN, Philippine College of Health and Sciences
- Maria Nimfa R. Diaz.** *Hotel and Restaurant Management.* BSHRM, Philippine Women's University; BSBA, Philippine Women's University; MBA, Adamson University
- Teresita D. Dijamco.** *Natural Science. Chairperson, College Division, Natural Science.* BS, University of the East; MA, Pamantasan ng Lungsod ng Maynila; EdD, Pamantasan ng Lungsod ng Maynila
- Wilfredo V. Domingo.** *Hotel and Restaurant Management.* Associate Graduate in Culinary Arts, (Hawaii, USA); Executive Chef, Philippines
- Gina M. Dumawal.** *Nursing.* BSN, Virgin Milagrosa University; MAN, Philippine College of Health and Sciences
- Angeline Uy-Dy.** *Hotel and Restaurant Management.* BSHRM, St. Scholastica's College
- Amor S. Ellares.** *Computer Engineering.* BSCpE, Adamson University; MAT, Centro Escolar University
- Catherine A. Enriquez.** *Hotel and Restaurant Management.* BSHRM, Centro Escolar University-Malolos
- Michael V. Enriquez.** *Economics and Finance.* AB, Ateneo de Manila University; MBA, Ateneo Graduate School of Business; Certificate Program in Finance, Fordham University
- Victoria U. Escario.** *Hotel and Restaurant Management.* BSIE, University of the Philippines; MAT, Eulogio "Amang" Rodriguez Institute of Science and Technology; EdD, Eulogio "Amang" Rodriguez Institute of Science and Technology
- Nonata A. Escobedo.** *Hotel and Restaurant Management.* BSID, Technological University of the Philippines; MAID, Technological University of the Philippines
- Ma. Lourdes D. Espino.** *Mathematics.* BSE, University of Santo Tomas; MME, Polytechnic University of the Philippines
- Augusto K. Fabella.** *MBA, Finance, Marketing, Management and Information Technology. Vice President for Information Systems.* AB, University of Pennsylvania (USA); MBA,

Northwestern University (USA); MSc. CS, University of Bristol (UK); MBCS, British Computer Society

Ma. Paz K. Fabella. *MBA, Finance and Management.* AB, Mills College, (USA); MBA, Northwestern University (USA)

Marinela K. Fabella. *MBA and Psychology.* AB (Cum Laude), University of the Philippines; MS, Columbia University (USA)

Vicente K. Fabella. *MBA, MPA, MA and Economics. President.* AB, Brown University (USA); MPA, Columbia University (USA); MBA, Columbia University (USA); PhD, University of the Philippines

Maria Renita F. Fabric. *Mathematics.* BSE, Divine World College; MA, Eulogio "Amang" Rodriguez Institute of Science and Technology; EdD, Polytechnic University of the Philippines

Mercedita D.V. Fajardo. *History and Political Science.* AB, University of the Philippines; MBA, Jose Rizal College; MPA (With Distinction), Jose Rizal University

Lorelee P. Fainza. *Law.* BSA, Colegio de San Juan de Letran; LLB, Jose Rizal University; Member, Philippine Bar

Barbara Wong-Fernandez. *MAEd. Vice President for Higher Education and Research Director.* PhD Philippines Studies, University of the Philippines; Med Guidance, University of the Philippines; AB English, University of the Philippines

Charito P. Festin. *Accounting.* BSBA, University of the East; CPA, Philippines

Hazel Sophie Antoinette P. Fuentes. *Hotel and Restaurant Management.* BSHRM, Philippine Womens University

Guia F. Constantino. *English.* BSE, Jose Rizal College; MAT, De La Salle University; MAELED, De La Salle University

Lilia H. Gabisan. *Mathematics.* BSCE, Polytechnic University of the Philippines; MBA, Jose Rizal College

Rodolfo B. Gaerlan. *MBA, MPA and Management.* BS, Philippine Military Academy; MBA University of the Philippines

Marichu F. Galicha. *English.* AB, Concordia College; MA, Manuel L. Quezon University; PhD, Manuel L. Quezon University

Maybelle A. Gallardo. *Management. Chairperson, College Division, Management and Marketing.* BSA, Centro Escolar University; MBA, University of the East; DBA, University of the East

Carlito D. Garcia. *History and Education. Dean, Liberal Arts, Criminology and Education, College Division.* AB (Magna Cum Laude), Manuel L. Quezon University; MA, Philippine Christian University; EdD (With Honors), Manuel L. Quezon University

Cesar H. Garcia. *English.* AB, Polytechnic University of the Philippines; MAEd, Pamantasan ng Lungsod ng Maynila; EdD, Eulogio "Amang" Rodriguez Institute of Science and Technology; MPA, Eulogio "Amang" Rodriguez Institute of Science and Technology

- Eduardo P. Garrovillas.** *Marketing.* AB, Jose Rizal College; MAT, University of the Philippines; MBA, Jose Rizal University; MPA, Jose Rizal University; DEM, Polytechnic University of the Philippines
- Mengvi P. Gatpandan.** *Computer Science.* BSCS, AMA Computer College; MSCS, AMA Computer University
- Elizabeth O. Gloriana.** *Education.* BSBE, Eulogio “Amang” Rodriguez Institute of Science and Technology; MABE, Eulogio “Amang” Rodriguez Institute of Science and Technology; EdD, Eulogio “Amang” Rodriguez Institute of Science and Technology
- Josiah L. Go.** *Marketing.* *Ambassador Bienvenido R. Tantoco Professor of Marketing;* BSC, De La Salle University
- Joel N. Gomez.** *Mathematics.* BS Mathematics, University of Sto. Tomas; MAEd, Pamantasan ng Lungsod ng Valenzuela
- Carmencita I. Gonzales.** *Education.* BSE, University of the East; MA Math, Marikina Institute of Science and Technology
- Rudolph Val F. Guarin.** *Information Technology.* BSS, University of the Philippines; MBA, De La Salle University; LLB, Jose Rizal University
- Reah B. Guerra.** *Law.* AB, Ateneo de Manila University; LLB, Jose Rizal University
- Myrna B. Guino.** *Hotel and Restaurant Management.* BSHRM, Eulogio “Amang” Rodriguez Institute of Science and Technology; MBA, Philippine School of Business and Administration
- Leynard L. Gripal.** *Hotel and Restaurant Management.* BSCT, University of the Philippines; MAEd, University of the Philippines
- Isabel A. Gumaru.** *English.* BSE (Cum Laude), Jose Rizal University; MBA, Jose Rizal University;
- Ferdinand T. Gutierrez.** *Accounting.* BSC, Far Eastern University; MBA (Cum Laude), Jose Rizal College; CPA, Philippines; MAN, University of San Carlos
- Jesus P. Herbolario, Jr.** *Hotel and Restaurant Management.* BS Criminology, Philippine College of Criminology
- Alberto A. Hobrero.** *Information Technology.* BSECE, University of the East; Licensed ECE
- Victor M. Javeña.** *Education.* Rizal Technological University; MAEd, The National Teachers College
- Jessie D. Javier.** *Sociology.* AB, Mindanao State University; MAEd, Lyceum of the Philippines; PhD, Lyceum of the Philippines
- Manuel A. Laguerta.** *Education.* AB, Divine Word College of Calapan; MAEd, Pamantasan ng Lungsod ng Maynila
- Llanto J. Lacambra.** *Economics.* AB, FEATI University; MAEd, FEATI University; PhD, Tabaco College
- Carmen T. Lactao.** *Nursing.* BSN, St. Jude College; MAN, Philippine College of Health and Sciences

- Arnel Leonardo.** *History and Social Science.* BSE, Philippine National University; MA, University of Asia and the Pacific
- Dolly W. Lim.** *Law.* AB, St. Scholastica's College; BSC (With Distinction), St. Scholastica's College; LLB, Manuel L. Quezon University; Member, Philippine Bar
- Florentes Liwanag.** *Mathematics.* BSEd, University of Manila; MAT, Manuel L. Quezon University
- Ma. Blesilda Llaguno.** *Nursing.* BSN, Bicol University; MSN, Bicol University
- Edelita M. Lorico.** *Information Technology.* Bachelor in Business Education, Polytechnic University of the Philippines; MBA, Jose Rizal University
- Virginia B. Loyola.** *Information Technology.* BSM, Polytechnic University of the Philippines; MBA, Jose Rizal University
- Lemuel L. Magracia.** *Management.* ABA and BBA, Polytechnic University of the Philippines; MBA (Rated A), National College of Business and Arts; DBA, Pamantasan ng Lungsod ng Maynila
- Raquel V. Magsipoc.** *Nursing.* BSN, Arellano University; MAN, Philippine College of Health and Sciences
- Annette P. Manansala.** *MBA and MPA.* BS, Polytechnic University of the Philippines; MS, Netherlands Enschede (Netherlands)
- Edgardo L. Martin.** *English.* AB, Jose Rizal College
- Reymuel Martinez.** *Accounting.* BSA, Our Lady of the Pillar College; MBA, International Academe of Management and Economics
- Lilibeth D. Masangkay.** *History.* BSC, Western Institute of Technology; MPA, Jose Rizal University
- Joseph E. Mazo.** *Information Technology.* BSCS, Philippine Christian University; MBA, Philippine Christian University
- Rustico C. Medina.** *Law.* BSC, Far Eastern University; LLB, Far Eastern University; MSBA, Far Eastern University; Member, Philippine Bar
- Marcelo C. Mendoza.** *Mathematics.* BSCE, Technological Institute of the Philippines; MBA, Jose Rizal College
- Teresita M. Mendoza.** *Nursing.* BSN, Emilio Aguinaldo College; MAN, Philippine Colleges of Health and Sciences
- Miller A. Mercado.** *Management.* BBM, Polytechnic University of the Philippines; MBA, Jose Rizal College; MPA, Jose Rizal University
- Marianne O. Miranda.** *Hotel and Restaurant Management.* BSHRM, Our Lady of Fatima University
- Guillermo S. Mojica, Jr.** *Engineering.* BSCE (Licensed), Technological University of the Philippines
- Wilson P. Mones.** *History.* BSE, Central Colleges of the Philippines; MAT, Central Colleges of the Philippines; MBA, International Academy of Management and Economics

- Norma M. Montalvo.** *Management. Vice President for Administrative Affairs.* BCS (Cum Laude), Jose Rizal College; MEd, University of Santo Tomas
- Josephine G. Neri.** *Engineering.* BSECE, Mapua Institute of Technology; Licensed ECE
- Rodolfo R. Nicolas, Jr.** *Accounting and Law.* BSA (Cum Laude), Philippine School of Business Administration; CPA, Philippines; LLB (Cum Laude), Jose Rizal University; Member, Philippine Bar
- Yolanda A. Nolasco.** *Hotel and Restaurant Management.* BBE, Polytechnic University of the Philippines; MBE, Polytechnic University of the Philippines
- O'Land C. Nwoke.** *MBA and Management.* BSC Acc and BSC Eco, Adamson University; MBA, Adamson University; PhD, Adamson University
- Rebecca C. Omaña.** *Marketing and Management.* BSBA, Polytechnic University of the Philippines; LLB, University of the East; MPA, National University; MBA, University of the East; PhD, Philippine Christian University
- Felicidad O. Ordoña.** *Information Technology.* BSC, Rizal Technological University; MBA, Philippine School of Business Administration
- Luzviminda M. Orinday.** *Mathematics.* BSME, Manuel L. Quezon University; MBA, Jose Rizal University
- Reynold C. Padagas.** *Nursing.* BSN (Cum Laude), University of La Salette, MAN, University of La Salette
- Ilene C. Padilla.** *Accounting.* BSC, Philippine College of Commerce; MBA, Jose Rizal University; CPA, Philippines
- Rellita D. Paez.** *Accounting.* BSC, Polytechnic University of the Philippines; MBA, Polytechnic University of the Philippines; DBA, Polytechnic University of the Philippines
- Tirso O. Palermo.** *Hotel and Restaurant Management. Chairperson, College Division, Hotel and Restaurant Management.* BSHRM, Eulogio "Amang" Rodriguez Institute of Science and Technology; MA, University of Rizal System
- Shirley M. Pangan.** *Information Technology.* BSC, Arellano University; MAT-ITE, Central Colleges of the Philippines
- Myrna K. Panganiban.** *Accounting.* BSC, Jose Rizal College; CPA, Philippines
- Rico G. Peñamante.** *Accounting.* BSA, Polytechnic University of the Philippines; CPA, Philippines
- Editha A. Peralta.** *Accounting.* BSA, University of the East; MBA, Polytechnic University of the Philippines; CPA, Philippines
- Jeanette R. Perez.** *Nursing.* BSN, Emilio Aguinaldo College; MAN, Arellano University
- Saviano M. Perez, Jr.** *MBA and MPA.* BS, University of the Philippines; BS, Far Eastern University; MA, University of the Philippines; LLB, Lyceum of the Philippines; Member, Philippine Bar
- Antonia T. Petre.** *Office Management.* BSBE, Philippine College of Commerce; MAEd, Jose Rizal University

- Mark Anthony P. Placido.** *Nursing.* BSN, Baliuag University; MAN, University of San Carlos
- Alma D. Porciuncula.** *MPA and Economics.* BS, University of the Philippines; MA, University of the Philippines
- Jaymer Punzalan.** *Computer Engineering.* BSEE, Technological University of the Philippines; MSEE, Rizal Technological University
- Edwin G. Purisima.** *Computer Engineering.* BSCpE, Pamantasan ng Lungsod ng Maynila; MSEE, Rizal Technological University
- Manuel A. Quiambao.** *Law. Assistant Dean, Law school.* AB, University of the East; LLB, Jose Rizal College; Member, Philippine Bar
- Gloria P. Quintos.** *Law.* BS Zoology, Pamantasan ng Lungsod ng Maynila; LLB, Jose Rizal University; Member, Philippine Bar
- Rodolfo C. Raga, Jr..** *Information Technology.* BSCS, Eulogio "Amang" Rodriguez Institute of Science and Technology; MSCS, AMA Computer College
- Honorato V. Reyes, Jr.** *Law.* AB, University of the Philippines; LLB, University of the Philippines; Member, Philippine Bar
- Jogi P. Reyes.** *Nursing.* BSN, Arellano University; MAN, Philippine College of Health and Sciences
- Jyr Marie V. Reyes.** *Information Technology.* BSCDPM, Polytechnic University of the Philippines; MBA, Jose Rizal University
- Gloria H. Reyes.** *Finance.* BCS, Jose Rizal College; MBA, Jose Rizal College
- Eleazar E. Ricote.** *MPA.* AB, University of the Philippines; MPA, University of the Philippines
- Eduardo Roberto.** *Marketing. Ambassador Bienvenido R. Tantoco Professor of Marketing.* MBA, Kellogg Management School of Northwestern University (USA); PhD, Kellogg Management School of Northwestern University (USA)
- Restituto Rodelas.** *Mathematics.* BSE, Rizal Technological University; MS Math, Ateneo de Manila University
- Elizabeth P. Rodriguez.** *MBA and Management.* BSBA, University of the East; BSEd, Northeastern Mindanao Colleges; MBA, University of the East; DBA, Pamantasan ng Lungsod ng Maynila
- Noremie M. Roldan.** *Law.* AB, San Beda College; LLB (Cum Laude), Jose Rizal University; Member, Philippine Bar
- Maria Corazon M. Rubinos.** *Natural Science.* BSChE, Mapua Institute of Technology; MAEd, Jose Rizal University; DEM, Polytechnic University of the Philippines
- Elenita G. Saba.** *Information Technology. Assistant Director, Information Technology Office.* BS, Adamson University; MBA, Jose Rizal University
- Ma. Luisa Z. Saba.** *Management. Dean, Student Affairs.* BSBA, University of the East; MBA, Jose Rizal College

- Helen R. Sajo.** *Finance.* BSBA, Philippine School of Business Administration; MBA, Jose Rizal College
- Olivia P. Sajorda.** *Physical Education.* BPE, Polytechnic University of the Philippines
- Ervin A. Salazar.** *Education. Chairperson, College Division, Education.* BSE, Sta. Isabel College; MAEd, National University; EdD, National University
- Adelaida A. Saldivar.** *Computer Engineering.* BSCpE, Technological University of the Philippines; MIT, University of La Salette
- Andrei Samson.** *Tourism Management.* BSBA, Colegio de San Juan de Letran
- May P. Samson.** *English.* BSE, National Teachers College; MAEd, National Teachers College; EdD, National Teachers College
- Imelda Santiago.** *History.* AB, University of the Philippines; MAPA, Lyceum of the Philippines; PhD Public Policy and Business Management, Lyceum of the Philippines
- Christine C. Sena.** *Hotel and Restaurant Management.* BSHRM, University of Manila
- Brandon G. Sibbaluca.** *Information Technology.* BSCPE, Mapua Institute of Technology; MSIT, Polytechnic University of the Philippines
- Flordeliza M. Silao.** *Law.* AB, University of the East; LLB, Jose Rizal College; Member, Philippine Bar
- Priscilla P. Soriano.** *Accounting.* BSBA, Pamantasan ng Lungsod ng Maynila; MBA, Eulogio "Amang" Rodriguez Institute of Science and Technology; CPA, Philippines
- Angelina T. Sta. Elena.** *Nursing.* BSN, De Ocampo Memorial College; MAN, Arellano University; DPH, Polytechnic University of the Philippines
- Irene Rossele Swing.** *Hotel and Restaurant Management.* BSHRM, Philippine Christian University; MBA, Jose Rizal University
- Mary Ann B. Taduyo.** *Information Technology.* BSCS, Arellano University; MAEd, Jose Rizal University
- Fernando I. Talion.** *Accounting.* BSA, Polytechnic University of the Philippines (Cum Laude); MBA (With Distinction), Jose Rizal University; CAT; CB; CPA, Philippines
- Victoria S. Tambunting.** *Law.* AB, University of the Philippines; JD, Ateneo de Manila University; Member, Philippine Bar
- Francis S. Tamondong.** *MBA and Computer Science.* BSME, Rodriguez Institute of Science and Technology; MBM, Asian Institute of Management
- Eleonor C. Tangkeko.** *Nursing.* BSN, Martinez Memorial College; MAN, Philippine College of Health and Sciences
- Ronilda C. Teh.** *Management.* BCS, Jose Rizal College; MBA, Jose Rizal College
- Juliana B. Tejada.** *Natural Science.* BSMT, Philippine Women's University; MSMT, Philippine Women's University
- Cid L. Terosa.** *MBA and MPA.* BA (Summa Cum Laude), University of San Carlos; MS, Hokkaido University (Japan); PhD, Hokkaido University (Japan)
- Rolando B. Teves.** *Law.* BSBA, University of the East; LLB (Cum Laude), Jose Rizal College; CPA, Philippines, Member, Philippine Bar

- Russel Cristobal Tiburcio.** *Tourism.* BST, La Consolacion Manila; MBA, San Beda College
- Eleuterio S. Timoteo.** *Mathematics.* BS, Far Eastern University; MBA, Jose Rizal College
- Louis P. Tonde.** *Mathematics.* BSE, Ortañez University; MAEd, Arellano University
- Jose Allan Torres.** *Management and Marketing.* BSBA, Dela Salle University; AB, Dela Salle University; MBA, Asian Institute of Management
- Roel C. Traballo.** *Information Technology.* BS Math, Polytechnic University of the Philippines; MSIT, University of La Salette
- Aurelio C. Trampe.** *Law.* LLB, Lyceum of the Philippines; Member, Philippine Bar
- Diosdado P. Tuason.** *MBA.* BCS, (Cum Laude), Jose Rizal College; MBA, University of the Philippines; AM, Stanford University (USA); PhD, University of Chicago (USA)
- John Lester Tuason.** *Hotel and Restaurant Management.* BSHRM, Perpetual Help College-Manila
- Rosario B. Tuazon.** *Management.* BCS, Jose Rizal College; MBA, Jose Rizal University
- Roderick D. Tuazon.** *Hotel and Restaurant Management.* BSHRM, Pamantasan ng Lungsod ng Pasig
- Michelle C. Ulep.** *Law.* AB, University of Santo Tomas; LLB, University of Santo Tomas; Member, Philippine Bar
- Victor S. Ulzane.** *Physical Education.* BPE, Polytechnic University of the Philippines
- Jose P. Uy.** *MBA.* BSIE, Colegio de San Jose Recoletos; MBA, Mindanao State University; MM, Asian Institute of Management
- Arlene Mae C. Valderama.** *Information Technology. Chairperson, College Division, Information Technology.* BSC, Arellano University; MSIT, Ateneo Information Technology Institute, ADMU
- Enrico Vibar.** *Criminology.* BS Crim, Philippine College of Criminology; MS Crim, Philippine College of Criminology; PhD, Philippine College of Criminology
- Amparo F. Vallesterro.** *Information Technology.* BSCS, Adamson University
- Elenita S. Valdez.** *Nursing. Academic Coordinator.* BSN, St. Jude College; MAN, Philippine College of Health and Sciences
- Ma. Luisa M. Villanueva.** *Information Technology.* BSCpE, Rizal Technological University
- Beaune V. Villaraza.** *Criminology.* BS Crim, University of La Salette
- Rodel Villarez.** *Computer Engineering.* BSECE, Don Bosco Technological Institute; MET, University of Southern Queensland (Australia)
- Edgardo M. Villareal II.** *Law.* BS, Far Eastern University; LLB, Pamantasan ng Lungsod ng Maynila; Member, Philippine Bar
- Angelito R. Villarín.** *Law.* LLB, Lyceum of the Philippines; Member, Philippine Bar
- Phio L. Viovicente.** *Law.* AB (Cum Laude), University of the Philippines; LLB, San Beda College; Member, Philippine Bar
- Mark Paul G. Viray.** *Hotel and Restaurant Management.* BSHRM, Polytechnic University of the Philippines

Cresencia G. Viri. *MPA.* MPA, Polytechnic University of the Philippines; DPA, Manuel L. Quezon University

Mary Genalin T. Wildi. *Computer Engineering.* BSECE, University of Santo Tomas; MAEd, Jose Rizal University

Christopher L. Zaplan. *Computer Engineering.* BSCpE, Adamson University; MSEE, Rizal Technological University

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 the four-year bachelor's degree course in Commerce as well as the high school course. It has 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 in spite of 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, of the Philippine Association of Collegiate Schools of Business (PACSB) in 1962, of the Private Education Retirement Annuity Association (PERAA) in 1974, and Philippine Association of Personnel Management in Private Schools (PAPMIPS) in 1997.

During its more than half a century 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 of 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 the 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 the various disciplines and adequate facilities, has formed the basis for the impressive educational record of the University.

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.

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.

OBJECTIVES OF THE UNIVERSITY

The Constitutional mandate defines the aims of education as the inculcation of love of country, the teaching of the duties of citizenship, the development of moral character and personal discipline, and scientific, technological, and vocational efficiency.

More specifically, the University aims (1) not only to provide students with basic tools that will prepare them for their first job but also to ensure that they are well equipped to succeed in today's rapidly changing technological world, and (2) to develop in its students the personal and intellectual qualities which characterize an educated person, such as sensitivity, creativity, vision and leadership potentials.

Given the national objectives, the objective of the University is to train young men and women to become responsible and useful citizens of the nation, (1) by providing balanced instruction in general education and technical knowledge, (2) by stressing the principles of representative government in a free society, (3) by inculcating respect for the truth, (4) by teaching the art of the utilization of knowledge, and (5) by encouraging active participation in the process of national development.

LOCATION AND FACILITIES

Jose Rizal University is located at No. 80 Shaw Boulevard, Mandaluyong City, accessible through many public transport lines passing directly in front of, and around the school. Shaw Boulevard is a first-class asphalted national road, so that the dust problem is non-existent.

The University itself occupies an area comprising one-and-a-half city blocks located on high commanding ground bordered by a wall. Located inside this spacious campus are modern, well-designed, concrete multi-storey buildings; air-conditioned classrooms, and surrounded by shade trees and green lawns.

The air-conditioned main library is a glass-enclosed structure occupies the ground and second floor 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 by using library computer stations or laptops, their personal laptops, or their smartphone. A similarly-equipped library in the eight-storey Tower Building is for use of the graduate and law students.

The auditorium is housed in the ground floor of a five-storey building completed in 1995. The laboratory rooms of the different science classes, the computer laboratory rooms, the engineering laboratories, the nursing skills laboratories and the speech laboratory are also located in this building.

Adjoining the main campus and separated by an asphalted city road is an annex campus of about a half city block which is connected to the main campus by a concrete covered pedestrian overpass. The campus which is covered entirely by a steel structure, contains primarily athletic and physical education facilities, and a six-storey concrete building, completed in 2008, purposely designed for classrooms and offices.

The telephone number of the University is 531-80-31 to 35 and connects with all divisions and departments.

COURSES OFFERED

The University offers courses leading to the following degrees:

- Doctor in Business Administration (D.B.A.)
- Doctor in Public Administration (D.P.A.)
- Master in Business Administration (M.B.A.)
- Master in Public Administration (M.P.A.)
- Master of Arts in Education (M.A.Ed.)
- Bachelor of Laws (L.L.B.)

Bachelor of Science in Accountancy (B.S.A.)
Bachelor of Science in Computer Engineering (B.S.Cp.E)
Bachelor of Science in Business Administration (B.S.B.A.)
*Major in Accounting, Computer Science, Economics, Banking and Finance,
Management, Marketing, or Supply Chain Management, Service Management*
Bachelor of Arts (A.B.)
Major in Economics, English, History, or Mathematics
Bachelor of Secondary Education (B.S.Ed.)
Major in English, History, or Mathematics
Bachelor of Elementary Education (B.E.Ed.)
Bachelor of Science in Information Technology (BSIT)
Major in Animation and Game Development
Bachelor of Science in Nursing (BSN)
Bachelor of Science in Hotel and Restaurant Management (BSHRM)
Bachelor of Science in Criminology (B.S.Crim.)
Bachelor of Science in Tourism Management (BSTM)

The University offers morning, afternoon, and evening sessions, except for the law course which is offered only in the evening.

Separate bulletins are available for the following courses, which the University offers:

Graduate School
Law School
General Academic High School
Elementary School

All courses offered by the University are recognized by the Commission on Higher Education (CHED) and the Department of Education (DepEd) of the government of the Republic of the Philippines.

The collegiate undergraduate programs in Business Administration, Liberal Arts and Education have been granted Level IV status by PACU Commission on Accreditation and the Federation of Accrediting Agencies of the Philippines, and qualified by the Commission on Higher Education.

In addition, the University was granted autonomous status by the Commission on Higher Education to recognize its commitment and contribution to the promotion of quality education.

Finally, the University undergoes a continual improvement process (CIP) for all its programs and courses. As such, the curricula and other requirements of programs presented here may be subject to change. Of course, any adjustments will be in conformance with all CHED regulations and requirements.

ADMISSION REQUIREMENTS

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

Students desiring to enrol in the first year college should present their Form 138 (high school report card), validly marked for transfer. High School diplomas are not acceptable as entrance credentials.

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

Transfer students may be admitted subject to prior evaluation and approval of their transfer credentials by the Dean.

Foreign nationals seeking admission should present a copy of their Alien Certificate of Registration as verified and a study permit given by the Commission on Higher Education. Students with alien surnames but claiming Filipino citizenship should comply with government requirements for presentation of acceptable proof of their citizenship.

Old students have priority in admission as well as the choice of subjects and sections only if they enrol during the preferential dates for enrolment indicated for each curriculum year at the time of the enrolment period; beyond these dates, admission and choice of subjects of old students shall be subject to availability of openings or space.

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

REGISTRATION PROCEDURES

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

Students enrolling for the first time at Jose Rizal University should accomplish the following forms, which are available at the Office of the Registrar, Room A-18 or online at the "applicant" section of www.jru.edu. Both paper and on-line applications are subject to acceptance.

- (1) JRU Form 1 (STET)
- (2) Any other forms as may be deemed necessary by the University

An enrolling student may refer to and choose from the schedule of subjects offered through the University's on-line registration system. Students should select

subjects in accordance with their curriculum requirements and particular course of study, and any deviation must have the approval of the College Dean. A student is considered officially enrolled upon payment and acceptance of the initial down payment.

If a student deliberately makes a false statement or conceals material information on any University document, his registration may be cancelled and he will be ineligible for subsequent registration.

Students are responsible for knowing about prerequisites for subjects and sequence for the course he has chosen. If the student enrolls in a subject for which he is not qualified, the University reserves the right to cancel his registration in that subject even after the enrolment period; if for any reason he obtains a passing grade he will not be given credit.

Every student whose registration has been completed has entered into a contractual agreement and will be considered a student of the University during the term for which he is registered unless his 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 on student conduct and discipline, and any amendments thereto, which are available at the Office of the Dean in Room A-20 or posted in bulletin boards.

IDENTITY 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 Office of the Registrar upon payment of a fee.

CHANGES IN REGISTRATION

Each student is responsible for the completeness and accuracy of his registration. He must ensure that there is no discrepancy between the program and course he is following and that which is recorded in the Office of the Registrar and that all changes are reported promptly to the Registrar as a student may receive credit for only the courses in which he/she is officially registered according to the records of the Registrar.

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

Changes in registration are allowed only under circumstances indicated in the policies of the University and must be made within two weeks after the beginning of classes by applying and duly filling up JRU Form 106, and submitting the same to the Dean's Office for approval and to the Registrar. No further changes may be made after that period and changes in subjects made without the approval of the Registrar will not be given credit.

TUITION AND OTHER FEES

The tuition fees for the school year for each individual student will depend upon the number of units enrolled:

AB, BSBA, BSIT, BSCPE, BSED, BEED, BSCRIM		BSHRM, BSTM, BSA		BSN	
Units	Tuition Fee (Cash Basis)	Units	Tuition Fee (Cash Basis)	Units	Tuition Fee (Cash Basis)
1	₱ 1,840.00	1	₱ 1,850.00	1	₱ 1,870.00
2	3,060.00	2	3,080.00	2	3,120.00
3	4,080.00	3	4,110.00	3	4,150.00
4	5,180.00	4	5,220.00	4	5,280.00
5	5,910.00	5	5,960.00	5	6,030.00
6	6,520.00	6	6,570.00	6	6,660.00
7	7,550.00	7	7,620.00	7	7,720.00
8	8,240.00	8	8,320.00	8	8,420.00
9	8,820.00	9	8,900.00	9	9,010.00
10	9,560.00	10	9,640.00	10	9,760.00
11	10,050.00	11	10,130.00	11	10,260.00
12	10,460.00	12	10,530.00	12	10,670.00
13	10,950.00	13	11,030.00	13	11,170.00
14	11,270.00	14	11,360.00	14	11,500.00
15	11,540.00	15	11,640.00	15	11,780.00
16	11,990.00	16	12,090.00	16	12,240.00
17	12,290.00	17	12,390.00	17	12,550.00
18	12,540.00	18	12,640.00	18	12,800.00
19	12,860.00	19	12,970.00	19	13,130.00
20	13,080.00	20	13,190.00	20	13,350.00
21	13,260.00	21	13,380.00	21	13,540.00
22	13,520.00	22	13,640.00	22	13,800.00
23	13,700.00	23	13,820.00	23	13,980.00
24	13,850.00	24	13,960.00	24	14,130.00

25	13,970.00	25	14,090.00	25	14,260.00
26	14,050.00	26	14,170.00	26	14,350.00
27	14,120.00	27	14,240.00	27	14,420.00
28	14,240.00	28	14,360.00	28	14,540.00
29	14,310.00	29	14,440.00	29	14,620.00
30	14,380.00	30	14,510.00	30	14,690.00
31	14,490.00	31	14,630.00	31	14,810.00
32	14,570.00	32	14,710.00	32	14,890.00
33	14,630.00	33	14,770.00	33	14,950.00
34	14,750.00	34	14,890.00	34	15,070.00
35	14,820.00	35	14,970.00	35	15,150.00
36	14,890.00	36	15,040.00	36	15,220.00

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

Students who will pay full tuition fees and miscellaneous fees after the prompt payment discount period but on or before the 11th day from the opening of classes can no longer avail the prompt payment discount and will be charge the full published rate.

Students who are not able to pay tuition and miscellaneous fees in full on or before 11th day from the opening of classes shall automatically be considered as paying on "installment basis" and shall be charged the installment rates.

Students who pay on installment basis shall be charged an "incomplete down-payment fine" of P500.00 if full down payment is not made on or before 11th day from the opening of classes.

The schedule of Installment payments may be obtained from the student accounts Office at Room A-14.

After down-payment has been made the balance of tuition fees on the installment basis are payable in three installments before each periodic examinations.

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

Other fees which may be charged, depending upon the individual student, include the following:

Auxiliary student services fee	₱ 250.00
Development fee (all)	1,630.00
Energy fee	1,180.00
ID, research and testing fee	380.00
ID revalidation fee	120.00
Library fee (all)	690.00
NSTP fee	250.00
Nursing & affiliation fee (2 nd yr onwards per RLE unit)	2,380.00
PE fee	200.00
Computer laboratory fee (per hr)	17.50
Criminology fee	1,100.00
Drafting laboratory fee	630.00
HRM laboratory fee	1,080.00
Science laboratory fee (per subject)	1,000.00
Speech laboratory fee	840.00
Typing laboratory fee (Typing subject)	690.00
FSA (for foreign students only)	9,000.00
Graduation fee	1,000.00
Late enrollment fine	1,000.00
Authentication (per document)	80.00
Certification/G.M.C.	120.00
Change of subject, per application	400.00
Computer proficiency test	500.00
Duplicate enrolment permit	50.00
Form 137	180.00
Honorable dismissal	350.00
Transcripts (per set)	180.00
CAI laboratory:	
Eng 11	315.00
Eng 12	315.00
Mat 11	315.00
Mat 22	315.00
NSc 21	315.00
NSc 22	315.00
Co-curricular activities (per subject):	
Acc 41	500.00
Acc 62	500.00
CS 11	530.00
CS 12	530.00
Edu 42A	600.00
Edu 44A	600.00
Edu 62	600.00
Egr 48	1,330.00
His 11	910.00

His 17	910.00
His 23	910.00
HRM 11	4,600.00
HRM 12	4,300.00
HRM 14	5,000.00
HRM 16	4,960.00
HRM 18	4,300.00
HRM 32	7,100.00
HRM 37	2,200.00
HRM 51	1,280.00
HRM 52	8,800.00
IAC Subjects (Acc 64, Acc 65, Acc 66, Acc 67, Acc 68, Acc 69, Acc 73)	1,200.00
ITc 21	500.00
ITc 46	500.00
Mgt 32	970.00
MS 11	530.00
MS 12	530.00
TRM 11	7,200.00
TRM 12	TBD
TRM 21	2,680.00
TRM 22	3,500.00
TRM 23	2,950.00
TRM 25	5,250.00
TRM 26	10,000.00
TRM 31	6,000.00
TRM 35	15,000.00
EdGE program fee (per subject):	
Edu 57	4,700.00
Edu 58	4,700.00
Edu 59	4,700.00
HRM 51	4,000.00
HRM 52	4,000.00
HRM 53	6,500.00
Mgt 211	500.00
Mgt 212	500.00
Mgt 213	500.00
Mgt 214	500.00
Mgt 215	500.00
Mgt 216	500.00
Mgt 311	500.00
Mgt 312	500.00
Mgt 313	500.00
Mgt 314	500.00

Mgt 315	500.00
Mgt 316	500.00
Mgt 411	500.00
Mgt 412	500.00
Mgt 413	500.00
Mgt 414	500.00
Mgt 415	500.00
Mgt 416	500.00
HRM lab	7,560.00
Project-Thesis fee (per subject):	
Acc 53	800.00
Cri 49	800.00
CSc 42	800.00
Eco 46	800.00
Edu 52	800.00
Egr 64	800.00
Fin 46	800.00
ITc 51	800.00
Mgt 50	800.00
Nur 33	800.00
PC 9	800.00
TRM 24	800.00

The last day of enrollment without fine shall be the first day of regular classes that is June 4, 2012 for the first semester and October 29, 2012 for the second semester. Any student who is allowed to enroll after the said date shall be considered as late enrollee and is subject to fine.

A student is not considered enrolled unless the pertinent tuition fee and miscellaneous fees have been paid, in addition to the other requirements for the enrollment.

WITHDRAWALS AND REFUNDS

A distinction is made between students who officially withdraw and students who drop. Withdrawal are permitted within thirty days after the beginning of classes provided the university is notified promptly in writing on JRU Form 106 and the request is approved by the Registrar and the Vice President for Finance. When no written notification is made, the student is considered drop, and charge in full for the entire semester, regardless of the actual attendance.

Subsequent to enrolment, if the student officially withdraws his/her enrollment for any reason, prior to the start of classes, the University shall refund all payments already made, but will charge the student the amount of One

Thousand Pesos (Php 1,000.00) as processing fee. If the student withdraws only portion of his/her enrolment, prior to the start of the classes, the University shall refund the portion of the tuition fee and any directly corresponding miscellaneous fees pertaining to the subject withdrawn, that has already been paid by the student provided that the student has properly filed the appropriate JRU Form for dropping of subjects. The student shall be charged the appropriate amount for dropping of subjects, except when the withdrawal of the subject is due to the failure of a prerequisite for that subject, his knowledge having been obtained after his 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.

If a student officially notified the University of the withdrawal of his/her enrolment or any portion of his/her enrolment within fifteen (15) calendar days after the beginning of classes, the student shall be charged 20% of the total published tuition and miscellaneous fees due or total installment tuition and miscellaneous fee due depending on their mode of payments. This shall be in addition to the appropriate charges imposed for dropping the subjects, except when the withdrawal of the subject is due to the failure of a prerequisite for that subject, his knowledge having been obtained after his 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 fee and any directly corresponding miscellaneous fees pertaining to the subject 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 classes.

If a student officially notified the University of the withdrawal of his/her enrolment or any portion of his/her enrolment more than fifteen (15) but not more than thirty (30) calendar days after the beginning of classes, the student shall be charged 50% of the total published tuition and miscellaneous fees due or total installment tuition and miscellaneous fee due depending on their mode of payments. This shall be in addition to the appropriate charges imposed for dropping the subjects, except when the withdrawal of the subject is due to the failure of a prerequisite for that subject, his knowledge having been obtained after his 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 fee and any directly corresponding miscellaneous fees pertaining to the subject 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 classes.

If a student officially notified the University of the withdrawal of his/her enrolment, or any portion of his/her enrolment more than thirty (30) calendar days after the beginning of classes, the student shall be charged 100% of the total

published tuition and miscellaneous fees due or total installment tuition and miscellaneous fee due depending on their mode of payments. This shall be in addition to the appropriate charges imposed for dropping the subjects, except when the withdrawal of the subject is due to the failure of a prerequisite for that subject, his knowledge having been obtained after his 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 fee and any directly corresponding miscellaneous fees pertaining to the subject 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 classes.

For the summer session of any division, the policy on refunds, either on the cash basis or on the installment basis, will remain the same as for the regular session, except for the difference in grace periods. For the grace period of fifteen (15) calendar days after the beginning of classes during the regular session, the summer equivalent will be two (2) calendar days; where it was thirty (30) calendar days, the summer equivalent will be five (5) calendar days. These equivalents will be valid for both collegiate and high school summer session.

In no case will tuition fee be refunded or reduced because of absences from or suspension of classes for any reason whatsoever.

RULES OF DISCIPLINE

The student whose registration has been completed, agrees to abide by the policies, rules and regulations of the University, accept the course of study prescribed, and meet the test required as to attendance, diligence in study and personal conduct. Failure on his 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 Manual or any other Policies and Procedures Manuals 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 these Manuals, including barring

student from taking examinations and/or being dropped from the enrollment 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 into 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 courses are also classified into:

- (1) Freshmen, or students who have finished less than 25 percent of the required units for graduation;
- (2) Sophomores, or students who have finished at least 25 percent of the required units for graduation;
- (3) Juniors, or students who have finished at least 50 percent of the required units for graduation; and
- (4) Seniors, or students who have finished at least 75 percent of the required units for graduation.

ATTENDANCE IN CLASS

Punctual attendance is required of all students. Excessive tardiness may be considered as absences, upon the discretion of the instructor.

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.

EXAMINATION PERMITS

In every semester, two preliminary examinations and a final examination are scheduled regularly. Before taking preliminary and final examinations, all

students must have paid all pertinent school fees due otherwise, they will not be allowed to take their examinations.

SYSTEM OF GRADING

Each credit course for which the student is registered is awarded 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 conversion follows:

1.0.....	100%	2.4.....	86
1.1.....	99	2.5.....	85
1.2.....	98	2.6.....	84
1.3.....	97	2.7.....	83
1.4.....	96	2.8.....	82
1.5.....	95	2.9.....	81
1.6.....	94	3.0.....	80
1.7.....	93	3.1.....	79
1.8.....	92	3.2.....	78
1.9.....	91	3.3.....	77
2.0.....	90	3.4.....	76
2.1.....	89	3.5.....	75
2.2.....	88	5.0.....	Failure
2.3.....	87	NC.....	No Credit

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 subject is allowed only within a period of one year.

DRESS CODE AND THE SCHOOL UNIFORM

Jose Rizal University prides itself in the way students reflect the University’s culture and values through their appearance. As such, students are expected to follow the general rules below:

1. The school ID must be conspicuously worn slung over the neck or clipped to the shirt front within the University and as prescribed during events outside the school.

2. Wear school uniforms as required uniforms must be clean, without tatters, properly buttoned and cut to the appropriate length and style.
3. Hairstyle should be neat and appropriate for school.
4. Only shoes appropriate to the uniform will be allowed. The use of sandals, slippers, clogs, step-ins or similar foot wear is not allowed.

GUIDELINES FOR SCHOOL UNIFORM:

1. Students not wearing the correct school uniform in cases this is required shall be directed to surrender their ID card to the security guard at the gate. The security guard will issue referral slips which the students need to present to the Office of Student Affairs for proper sanctions.
2. All faculty members are required to strictly enforce the rules on identification cards and uniform inside the classroom. Students not wearing the correct uniform should be referred to the Office of the Dean of Student Affairs.
3. Exemption from wearing of uniforms may be given by the Dean of Student Affairs to students under meritorious circumstances (working students with office uniform, pregnant students, etc.) The exemption permit must be with the student at all times.
4. Students, while in their uniform, shall at all times refrain from committing acts that may bring the name of the University into disrepute or cause disorder, discredit or contempt for the name of the University.
5. All college students are required to wear the approved school uniform. Details about the cut and cloth materials maybe obtained from the University Bookstore.

SCHOOL ACTIVITIES

Extra-curricular activities provide special opportunities for students to participate in interest groups and programs of their own choosing; all of which provide significant opportunity to develop qualities of leadership.

There are a number of student organizations in the campus, all under the leadership of students with faculty supervision. From time to time, the different organizations sponsor convocations and open forum on subjects of current interest; notable speakers with special knowledge of the topic are usually invited.

Students and student organizations shall not, either individually or collectively, use the name of, or hold itself to be the official representative of Jose Rizal University in any activity of any kind without the previous written authority

of the Dean. Violation of this rule constitutes adequate cause for disciplinary action.

The Central Student Council, the highest student body in the campus, prepares students for leadership in the community outside the University. It is composed of the officers of the different recognized campus organizations and advised by a senior faculty member. It has the basic task of coordinating student activities in which the whole student body has direct interest.

The Junior Philippine Institute of Accountants (JPIA) is composed of students under the BSA program. It is an honor society devoted to the promotion of accounting research. It aims to develop the students to become practitioners in accountancy in the future.

Student organizations of long standing include the various class organizations, Association of International Students, Association of Students in History, Auxiliary of Computer Engineering Students, Communication Arts Society, Computer Society, Economics Society, Finance Society, Hospitality Hoteliers and Restaurateurs Society, Association of Tourism Management Students, Management Society, Mathematics Society, JRU Chorale, Natural Science Society, Nursing Society, Young Educators Society, Young Marketers Association, Junior Philippine Institute of Accountants, Teatro Rizal, Student Catholic Action.

The student body publishes a bi-monthly magazine, *THE JOURNAL*, which is managed and edited by the students themselves; they have the opportunity to express themselves in school and other current matters and to help in the information campaign on the objectives of government. At the same time, handling the magazine teaches the students the meaning of responsibility and work.

PHYSICAL EDUCATION AND ATHLETICS

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

The University has adequate athletic facilities in the campus. The active participation of a student in organized intramural activities or in 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 inter-collegiate 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 for 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 ACT OF 2001 (R.A. 9163)

Republic Act 9163 established the National Service Training Program (NSTP), which shall form part of the curricula of all baccalaureate degree courses and of at least two (2) year technical-vocational courses 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 give emphasis on citizenship training and shall instill patriotism, respect for the rights and adherence of civilians to the Constitution.

TYPEWRITING AND PRACTICUM REQUIREMENT FOR BUSINESS STUDENTS

A practical knowledge of typewriting is a prerequisite for the degree of Bachelor of Science in Accountancy and Bachelor of Science in Business Administration. All B.S.A and B.S.B.A. students will be given typewriting proficiency tests not later than the second semester of their first year, and those students who are unable to obtain satisfactory ratings will be required to enrol subsequently in Typewriting 11.

Business students who would prefer to have practical experience in their major field of study in business may apply to the University for such training. As far as may be possible, the University will make arrangements with cooperating business concerns or industry partners to enable the students to put into actual practice what they have learned in the classroom. The students so chosen to undergo practicum are required to meet the criteria for the purpose.

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 young men and women to further their studies in spite of possible financial difficulties. These scholarships may not be deferred or transferred.

La Pluma Scholarship

The pen, or La Pluma in Spanish, symbolizes education, which is a powerful tool for improving the quality of life and moving the nation towards progress. The La Pluma Scholarship (La Pluma) aims to make a student's dream of learning and holding a degree within easy reach.

The La Pluma is offered to the Filipino youth who desire to make a difference in life, to stand out and stand proud, to reach high and follow Dr. Jose Rizal's lead, to make their mark and leave a lasting legacy. All incoming freshmen in the College Division who have been certified as belonging to the top 10 in academic ranking by their High School Principal from any DepEd recognized school are automatically qualified as "La Pluma" scholars for their initial two (2) school years in JRU provided they enroll in JRU in the school year immediately following their year of graduation from High School. This scholarship entitles students to a 100% tuition and 100% miscellaneous fees discount, reimbursement of cost all textbooks, and inclusion in the "Academic Scholars' Mentoring Program." In addition, incoming "Valedictorians" are entitled to ₱1,000.00 monthly allowance.

Academic Scholarship

Other Academic scholarships are also available to students which entitles them to various tuition fee and miscellaneous fees discounts.

JRU Alumni Association Scholarship

The Jose Rizal University Alumni Association (JRUA) maintains a number of academic scholarships for students to pursue and obtain a bachelor's degree at Jose Rizal University. These scholarships are intended to assist deserving students with academic promise to further their studies, and include free tuition and other school fees and, for certain special scholarships, monthly stipends and book allowance. The JRUA will determine every year how many scholars can be funded by the program.

TRANSCRIPT OF RECORDS

Official transcript of records are issued to students who have fulfilled all the requirements of the University and who have submitted their records from the schools where they were enrolled prior to studying at Jose Rizal University, if any. While the University endeavors to accomplish transcripts as quickly as possible, students are advised to apply for such transcript at least two weeks in advance.

GRADUATION REQUIREMENTS

A student is responsible for consulting with the student advisers or the Registrar to ascertain eligibility for the degree or title for which he/she desires to qualify and to determine that all program requirements are met.

No candidate for a title or a degree will 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 high school of recognized standing, (2) fulfilled the group requirements for graduation as specified in the General Information, (3) obtained satisfactory grades in all his subjects, and (4) filed an application for graduation with the Office of the Registrar within a month after the beginning of classes during the last semester or summer of residence of the student in the University.

Financial Requirements. A candidate for graduation must have settled all his 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 course.

GRADUATION WITH HONORS

Candidates for graduation with bachelors degrees are eligible for graduation with honors with the following minimum requirements:

Summa Cum Laude. Candidates must have completed all four-curriculum years at Jose Rizal University with a general average of not lower than 1.250, with no failing grades.

Magna Cum Laude. Candidates must have completed all four-curriculum years at Jose Rizal University with the general average of not lower than 1.500, with no failing grades.

Cum Laude. Candidates must have taken at least ninety units of academic credit at Jose Rizal University, including the last two curriculum years, with a general average of not lower than 2.000.

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 Registrar.

CURRICULUM AND GROUP REQUIREMENTS

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

The general education components of the various undergraduate curricular offerings are presently being redesigned 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 are also currently being overhauled, in line with the University's thrust for continuous improvement. The University reserves the right to adjust these 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.

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 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 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 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 for employment in private establishment and government agencies.

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

<u>First Semester</u>		<u>FIRST YEAR</u>		<u>Second Semester</u>		<u>Units</u>
		<u>Units</u>				<u>Units</u>
Acc	11 (Elementary Acctg)	6	Acc	12 (Intermediate Acctg)		6
CSc	15 (Intro to Info Tech)	3	CSc	16 (Integ Application Soft)		3
Eng	11 (Intro to Col English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)		3
Fil	13 (Komunikasyon sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)		3
FOS	11 (Strat for Aca Suc in Col)	3	Mat	22 (Elementary Statistics)		3
His	11 (Survey of Phil His)	3	NSc	22 (Intro to Biological Sci)		3
Mat	11 (College Algebra)	3	Psy	12 (General Psychology)		3

PE 11 (Physical Educ)	(2)	PE 12 (Physical Educ)	(2)
MS/CS 11 (NSTP 1)	(3)	MS/CS 12 (NSTP 2)	(3)
Eng 11+ (English Plus)	(3)		
	<u>24</u>		<u>24</u>

Summer	Units
Phi 21 (Logic)	3
NSc 21 (Intro to Physical Sci)	3
Mat 23 (Math of Investment)	3
	<u>9</u>

SECOND YEAR

First Semester	Units	Second Semester	Units
Acc 13 (Fin Acc & Reporting 1)	6	Acc 16 (Financial Mgt 1)	3
Acc 15 (Fin Acc & Reporting 2)	6	Acc 18 (Tax Accounting)	3
CSc 25 (Intro to Programming)	3	Acc 20 (Mgt Advisory Services 1)	3
Eco 11 (Prin of Eco 1 w/LRT)	3	Acc 30 (Cost Acc & Cost Mgt)	6
Fin 11 (Basic Finance)	3	Law 24 (Law on Business Org)	3
Law 23 (Law on Obligation & Contr)	3	Acc 52 (Financial Acc & Rptng 3)	3
Mgt 21 (Organization & Mgt)	3	Mgt 26 (Human Behav in Org)	3
PE 21 (Physical Educ)	(2)	PSc 12 (Phil Govt & Const)	3
	<u>27</u>	PE 22 (Physical Educ)	(2)
			<u>27</u>

Summer	Units
Acc 70 (IAC on Fin Acc & Reportng)	3
Acc 71 (Business Law & Taxation)	3
Acc 72 (IAC Cost Acc & Mgt Adv Services)	2
	<u>8</u>

THIRD YEAR

First Semester	Units	Second Semester	Units
Acc 17 (Financial Management 2)	3	Acc 40 (Applied Auditing)	6
Acc 19 (Assurance Prin, Professional Ethics & Good Gov)	6	Acc 60 (Advanced Fin Acc & Rptng)	6
Acc 29 (Mgt Advisory Services 2)	3	Law 36 (Law on Negotiable Instmt)	3
Acc 45 (Bus & Transfer Taxes)	3	Mat 16 (Quantitative Tech in Bus)	3
Eco 25 (Microeconomic Theory)	3	Mgt 32 (Prod & Operations Mgt)	3
Eng 21 (Speech & Oral Comm)	3	PSc 12 (Phil Govt & Constitution)	3
His 23 (Life & Works of Rizal)	3	Soc 22 (Sociology / Anthropology)	3
Law 35 (Law on Sales, Agency & Other Com Laws)	3		
	<u>27</u>		<u>27</u>

<u>Summer</u>	<u>Units</u>
Acc 62 (Acc Info Systems)	3
Eng 23 (Tech & Report Writing)	3
Eng 33 (Intro to Litt w/ Phil Litt)	3
Mat 39 (Business Calculus)	3
	<hr/> 12

FOURTH YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Acc 53 (Thesis in Acc w/ Synthesis)	4	Acc 73 (IAC on Theory of Accounts)	2
Acc 55 (Mgt Advisory Services 3)	3	Acc 64 (IAC on Bus Law & Tax)	3
Acc 61 (Acc for Govtl, Non-for-Profit Entities & Spec Industries)	3	Acc 65 (IAC on Mgt Advisory Services)	2
Acc 63 (Auditing in a CIS Envirmt)	3	Acc 66 (IAC on Auditing Theory)	2
Eco 43 (Macroeconomic Theory)	3	Acc 67 (IAC on Auditing Problems)	2
Hum 11 (Explrng & Exprcng the Arts)	3	Acc 68 (IAC on Practical Acc 1)	2
Mgt 39 (Good Gov & Corp Soc Resp)	3	Acc 69 (IAC on Practical Acc 2)	2
Mgt 45 (Strat Mgt & Bus Policy)	3		
Mkt 31 (Prin of Marketing)	3		
	<hr/> 28		<hr/> 15

TOTAL = 228 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN ACCOUNTANCY (B.S.A.)
FOR ELIGIBILITY TO TAKE THE C.P.A. EXAMINATIONS**

	<u>Units</u>	<u>Units</u>
1. General Education		66
a. Communication and Literature		
English (11, 12, 21, 23, 33)	15	
Filipino (13, 14)	6	
	<hr/> 21	
b. Quantitative Reasoning		
Mathematics (11, 16, 22)	9	
c. Information Management		
Computer Science (15, 16)	6	
d. Science and Technology		
Natural Science (21, 22)	6	
e. Humanities and Global Culture		
Humanities (11)	3	
Sociology (22)	3	
	<hr/> 6	
f. Social Science Analysis		
History (11, 23)	6	

Economics (11)	3	
Political Science (12)	3	
Philosophy (21)	3	
	<hr/>	15
g. Values Formation		
Freshmen Orientation Seminar (11)	3	
h. Physical Education (11, 12, 21, 22)	(8)	
i. Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2. Basic Business Core		18
Accounting (11)	6	
Finance (11)	3	
Management (21)	3	
Marketing (31)	3	
Psychology (12)	3	
	<hr/>	18
3. Business Education Core		18
Accounting (12)	6	
Management (26, 30)	6	
Mathematics (15)	3	
Computer Science (25)	3	
	<hr/>	18
4. Professional Courses		126
Accounting (13, 15, 16, 17, 18, 19, 20, 29, 30, 40, 45, 52, 53, 55, 60, 62, 63, 70, 71, 61, 72, 73, 74, 75, 76, 77, 78, 79)		
Business Law (23, 24, 35, 36)	12	
Economics (25, 43)	6	
Management (32, 39, 45)	9	
Mathematics (39)	3	
	6	
	<hr/>	6
Total		<hr/> 228

Additional Requirements:

All students admitted to the BSA Program must get a grade of at least 2.5 in every Accounting and Law subjects. Students who meet this requirement will be conferred the degree of Bachelor of Science in Accountancy (BSA) upon meeting all the needed requirements to earn the degree. A student who failed to meet this minimum grade requirement can re-enroll the same subject for a maximum of 2 times until the minimum grade requirement is met. Otherwise, he will be transferred to another course. A student who failed the IAC review subjects or may have passed the same but failed to meet the minimum grade requirement will be conferred the degree of Bachelor of Science in Business Administration Major in Accounting (BSBA). If he desires to graduate with a BSA degree, he should enroll

all the seven IAC review subjects and obtain the minimum grade requirement of 2.5 in every subject.

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 a 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 familiarity of the framework of business, inclusive of the roles of government, and the importance of business ethics.

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

FIRST YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Acc 11 (Elementary Accounting)	6	Acc 12 (Intermediate Acc)	6
CSc 15 (Intro to Information Tech)	3	CSc 16 (Integ Application Soft)	3
Eng 11 (Intro to College English)	3	Eng 12 (Rdng, Wrtg & Rsrch Skls)	3
FOS 11 (Strat for Aca Suc in Col)	3	Hum 12 (Global Culture)	3
His 11 (Survey of Phil History)	3	Mat 22 (Elem Statistics)	3
Mat 11 (College Algebra)	3	NSc 22 (Intro to Biological Sci)	3
NSc 21 (Intro to Phy Science)	3	PSc 12 (Phil Govt & Const)	3
NSTP 11 (Natl Serv Trng Program)	(3)	NSTP 12 (Natl Serv Trng Program)	(3)
PE 11 (Physical Educ)	(2)	PE 12 (Physical Educ)	(2)
	<u>24</u>		<u>24</u>

SECOND YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Acc 21 (Prin of Acc Part I)	6	Acc 22 (Prin of Acc Part II)	6
Eco 11 (Prin of Eco w/ LRT)	3	Acc 30 (Cost Acc & Cost Mgt)	6
Eng 21 (Effective Oral Comm)	3	Eco 12 (Principles of Eco II)	3
Fin 11 (Basic Finance)	3	Mat 16 (Quantitative Tech in Bus)	3
His 23 (Life & Works of Rizal)	3	Mgt 26 (Human Behavior in Org)	3
Hum 11 (Explrng & Exprcng the Arts)	3	Mgt 30 (Mgt Information Sys)	3
Mgt 21 (Organization & Mgt)	3	PE 22 (Physical Educ)	(2)
PE 21 (Physical Educ)	(2)		
	<u>24</u>		<u>24</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	33 (Acc Prob & Cases Part 1)	3	Acc	36 (Managerial Acc)	3
Fil	13 (Kom sa Akad Fil)	3	Eco	26 (Economic Development)	3
Fin	25 (Business Finance)	3	Eng	14 (Surv of Litt in Eng)	3
Law	21 (Integrated Business Law 1)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Mgt	39 (Good Gov & Corp Soc Resp)	3	Law	22 (Integrated Business Law 2)	3
Mgt	49 (Corp Research)	3	Mgt	32 (Prod & Operations Mgt)	3
Mkt	31 (Principles of Marketing)	3	Mgt	40 (Environment & Bus)	3
		<u>21</u>			<u>21</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	35 (Tax Accounting)	3	Acc	50 (Acc Prob & Cases Part II)	3
Acc	41 (Computer Acc)	3	Mgt	28 (Human Resource Mgt)	3
Acc	47 (Auditing Theory)	3			
Eng	33 (Intro to Litt w/ Phil Litt)	3			
Mkt	33 (Principles of Advertising)	3			
		<u>15</u>			<u>6</u>

**CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION - COMPUTER SCIENCE**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3
NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	25 (Intro to Programming)	3	CSc	22 (Database Mgt)	3
Eco	11 (Prin of Eco w/ LRT)	3	CSc	28 (Object Oriented)	3
Eng	21 (Effective Oral Comm)	3	Eco	12 (Principles of Eco II)	3
Fil	13 (Kom sa Akad Fil)	3	Eng	14 (Surv of Lit in Eng)	3
Fin	11 (Basic Finance)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
His	23 (Life & Works of Rizal)	3	Mat	16 (Quantitative Tech in Bus)	3
Hum	11 (Explrng & Expcng the Arts)	3	Mgt	26 (Human Behavior in Org)	3
Mgt	21 (Organization & Mgt)	3			

PE	21 (Physical Educ)	(2)	Mgt	28 (Human Resource Mgt)	3
			PE	22 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	23 (Mgt Info Sys)	3	CSc	34 (OOP 2 (VSL C++))	3
CSc	35 (Data Com & Con)	3	CSc	36 (Adv DBS Mgt SQL)	3
CSc	37 (Data Stru & Alg)	3	CSc	44 (WEB Based Tech)	3
Fin	25 (Business Finance)	3	Eco	26 (Economic Development)	3
Law	21 (Integrated Business Law 1)	3	Law	22 (Integrated Business Law 2)	3
Mgt	39 (Good Gov & Corp Soc Resp)	3	Mgt	32 (Prod & Operations Mgt)	3
Mkt	31 (Principles of Marketing)	3	Mgt	40 (Environment & Bus)	3
		<u>21</u>			<u>21</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	35 (Tax Accounting)	3	CSc	42 (Prin of Dev 2)	3
CSc	41 (Prin of Dev 1)	3	CSc	46 (Elec Commerce)	3
CSc	43 (Networking Tech)	3	CSc	48 (Practicum)	6
CSc	49 (Sys Mgt & Admin)	3			
Eng	33 (Intro to Litt w/ Phil Litt)	3			
Mgt	45 (Strat Mgt & Bus Policy)	3			
Mkt	33 (Principles of Advertising)	3			
		<u>21</u>			<u>12</u>

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3
NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Principles of Eco II)	3
Eng	21 (Effective Oral Comm)	3	Eng	14 (Survey of Litt in English)	3

Fil	13 (Kom sa Akademikong Filipino)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Fin	11 (Basic Finance)	3	Mat	16 (Quantitative Tech in Bus)	3
His	23 (Life & Works of Rizal)	3	Mgt	26 (Human Behavior in Org)	3
Hum	11 (Explrng & Expcrng the Arts)	3	Mgt	28 (Human Resource Mgt)	3
Mgt	21 (Organization & Mgt)	3	Mgt	30 (Mgt Information Sys)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		<u>21</u>			<u>21</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
E1	Free Elective	3	E2	Free Elective	3
Fin	25 (Business Finance)	3	Eco	26 (Economic Development)	3
Fin	35 (Monetary & Fiscal Policy)	3	Fin	32 (Prin of Investment)	3
Fin	37 (Credit & Collection)	3	Fin	38 (Glob Fin w/ Elec Bankng)	3
Law	21 (Integrated Business Law 1)	3	Law	22 (Integrated Business Law 2)	3
Mgt	39 (Good Gov & Corp Soc Resp)	3	Mgt	32 (Prod & Operations Mgt)	3
Mkt	31 (Principles of Marketing)	3	Mgt	40 (Environment & Bus)	3
		<u>21</u>			<u>21</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	35 (Tax Accounting 1)	3	Fin	44 (Practicum)	6
Eng	33 (Intro to Litt w/ Phil Litt)	3	Fin	46 (Finance Research 2)	3
Fin	31 (Corp Finance)	3			
Fin	39 (Portfolio Mgt)	3			
Fin	41 (Finance Research 1)	3			
Mkt	33 (Principles of Advertising)	3			
Mgt	45 (Strategic Mgt & Bus Policy)	3			
		<u>21</u>			<u>9</u>

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3
NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

SECOND YEAR

First Semester		Units	Second Semester		Units
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Principles of Eco II)	3
Eng	21 (Effective Oral Comm)	3	Eng	14 (Survey of Litt in English)	3
Fil	13 (Kom sa Akademikong Filipino)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Fin	11 (Basic Finance)	3	Mat	16 (Quantitative Tech in Bus)	3
His	23 (Life & Works of Rizal)	3	Mgt	26 (Human Behavior in Org)	3
Hum	11 (Explrng & Exprcng the Arts)	3	Mgt	28 (Human Resource Mgt)	3
Mgt	21 (Organization & Mgt)	3	Mgt	30 (Mgt Information Sys)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		<u>21</u>			<u>21</u>

THIRD YEAR

First Semester		Units	Second Semester		Units
E1	Free Elective	3	E2	Free Elective	3
Eco	25 (Microeconomic Theory)	3	Eco	22 (International Eco)	3
Eco	27 (Math for Economics)	3	Eco	26 (Economic Development)	3
Fin	25 (Business Finance)	3	Eco	28 (Prin of Economics)	3
Law	21 (Integrated Business Law 1)	3	Law	22 (Integrated Business Law 2)	3
Mgt	39 (Good Gov & Corp Soc Resp)	3	Mgt	32 (Prod & Operations Mgt)	3
Mkt	31 (Principles of Marketing)	3	Mgt	40 (Environment & Bus)	3
		<u>21</u>			<u>21</u>

FOURTH YEAR

First Semester		Units	Second Semester		Units
Acc	35 (Tax Accounting 1)	3	Eco	46 (Eco Research 2)	3
Eco	37 (Managerial Eco)	3	Eco	48 (Practicum)	6
Eco	43 (Macroeconomics Theory)	3			
Eco	45 (Eco Research 1)	3			
Eng	33 (Intro to Litt w/ Phil Litt)	3			
Mkt	33 (Principles of Advertising)	3			
Mgt	45 (Strategic Mgt & Bus Policy)	3			
		<u>21</u>			<u>9</u>

**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	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3

NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Principles of Eco II)	3
Eng	21 (Effective Oral Comm)	3	Eng	14 (Survey of Litt in English)	3
Fil	13 (Kom sa Akad Filipino)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Fin	11 (Basic Finance)	3	Mat	16 (Quantitative Tech in Bus)	3
His	23 (Life & Works of Rizal)	3	Mgt	26 (Human Behavior in Org)	3
Hum	11 (Explrng & Exprcng the Arts)	3	Mgt	28 (Human Resource Mgt)	3
Mgt	21 (Organization & Mgt)	3	Mgt	30 (Mgt Information Sys)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		<u>21</u>			<u>21</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
E1	Free Elective	3	E2	Free Elective	3
Fin	25 (Business Finance)	3	Eco	26 (Economic Dev)	3
Law	21 (Integrated Business Law 1)	3	Law	22 (Integrated Business Law 2)	3
Mgt	33 (Contingency & Change Mgt)	3	Mgt	32 (Prod & Operations Mgt)	3
Mgt	39 (Good Gov & Corp Soc Resp)	3	Mgt	36 (Logistics Mgt)	3
Mgt	51 (Entrep Mgt 1)	3	Mgt	40 (Environment & Bus)	3
Mkt	31 (Principles of Marketing)	3	Mgt	52 (Entrep Mgt 2)	3
		<u>21</u>			<u>21</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	35 (Tax Accounting 1)	3	Mgt	48 (Practicum)	6
Eng	33 (Intro to Litt w/ Phil Litt)	3	Mgt	50 (Corp Research 2)	3
Mgt	41 (Global Business Mgt)	3			
Mgt	43 (Total Quality Mgt)	3			
Mgt	45 (Strategic Mgt & Bus Policy)	3			
Mgt	49 (Corp Research 1)	3			
Mkt	33 (Principles of Advertising)	3			
		<u>21</u>			<u>9</u>

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
Fil	13 (Kom sa Akademikong Filipino)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3
NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		21			21

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Principles of Eco II)	3
Eng	21 (Effective Oral Comm)	3	Eng	14 (Survey of Litt in English)	3
Fin	11 (Basic Finance)	3	Mat	16 (Quantitative Tech in Bus)	3
His	23 (Life & Works of Rizal)	3	Mgt	26 (Human Behavior in Org)	3
Hum	11 (Explrg & Exprng the Arts)	3	Mgt	28 (Human Resource Mgt)	3
Mgt	21 (Organization & Mgt)	3	Mgt	30 (Mgt Information Sys)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		24			24

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
E1	Free Elective	3	E2	Free Elective	3
Fin	25 (Business Finance)	3	Eco	26 (Economic Dev)	3
Law	21 (Integrated Business Law 1)	3	Law	22 (Integrated Business Law 2)	3
Mgt	49 (Corp Research 1)	3	Mgt	32 (Prod & Operations Mgt)	3
Mkt	31 (Principles of Marketing)	3	PC3		3
PC1		3	PC4		3
PC2		3			
		21			18

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	35 (Tax Accounting 1)	3	PC10		6
Eng	33 (Intro to Litt w/ Phil Litt)	3	PC9		3
Mgt	45 (Strategic Mgt & Bus Policy)	3			
Mkt	33 (Principles of Advertising)	3			
Mkt	35 (Sales Mgt)	3			

PC5	3	
PC6	3	
PC8 Research 1	3	
	<u>24</u>	<u>9</u>

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3
NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Principles of Eco II)	3
Eng	21 (Effective Oral Comm)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Fil	13 (Kom sa Akad Filipino)	3	Mat	16 (Quantitative Tech in Bus)	3
Fin	11 (Basic Finance)	3	Mgt	26 (Human Behavior in Org)	3
His	23 (Life & Works of Rizal)	3	Mgt	28 (Human Resource Mgt)	3
Mgt	21 (Organization & Mgt)	3	Mgt	30 (Mgt Information Sys)	3
Mgt	57 (Fundamentals of BPO 101)	3	Mgt	58 (Fundamentals of BPO 102)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		<u>21</u>			<u>21</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eng	47 (Call Center Fundmntls 1)	3	Eco	26 (Economic Dev)	3
Eng	53 (Business Comm)	3	Eng	48 (Call Center Fundmntls 2)	3
Fin	25 (Business Finance)	3	Law	22 (Integrated Business Law 2)	3
Hum	11 (Explrng & Exprcng the Arts)	3	Mgt	32 (Prod & Operations Mgt)	3
Law	21 (Integrated Business Law 1)	3	Mgt	36 (Logistics Mgt)	3
Mgt	49 (Corp Research 1)	3	Mgt	40 (Environment & Bus)	3
Mgt	53 (Prin of System Thinking)	3	Mgt	50 (Corp Research 2)	3
Mkt	31 (Principles of Marketing)	3	Mgt	54 (Service Culture)	3
		<u>24</u>			<u>24</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	35 (Tax Accounting 1)	3	Mgt	60 (Internship-BPO 600 hrs)	6
Eng	33 (Intro to Litt w/ Phil Litt)	3			
Mgt	41 (Global Business Mgt)	3			
Mgt	43 (Total Quality Mgt)	3			
Mgt	45 (Strategic Mgt & Bus Policy)	3			
Mkt	33 (Principles of Advertising)	3			
		<u>21</u>			<u>6</u>

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3
NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Principles of Eco II)	3
Eng	21 (Effective Oral Comm)	3	Eng	14 (Survey of Litt in English)	3
Fin	11 (Basic Finance)	3	Mat	16 (Quantitative Tech in Bus)	3
His	23 (Life & Works of Rizal)	3	Mgt	212 (Inv Mgt & Demand)	3
Hum	11 (Explrng & Exprcng the Arts)	3	Mgt	214 (Negotiation in Supp Mgt)	3
Mgt	21 (Organization & Mgt)	3	Mgt	216 (Fund in Warehousing)	3
Mgt	211 (Intro to Supply Mgt)	3	Mgt	26 (Human Behavior in Org)	3
Mgt	213 (Fund of Purchasing)	3	Mgt	28 (Human Resource Mgt)	3
Mgt	215 (Intro to Cus Serv & Log)	3	Mgt	30 (Mgt Information Sys)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		<u>27</u>			<u>27</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Fil	13 (Kom sa Akad Filipino)	3	Eco	26 (Economic Dev)	3
Fin	25 (Business Finance)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Law	21 (Integrated Business Law 1)	3	Law	22 (Integrated Business Law 2)	3
Mgt	311 (Stor Sys & Matrl Handling)	3	Mgt	312 (Legal Asp of Purch Distrib)	3
Mgt	313 (Proc & Sourcing Strat)	3			

Mgt 315 (Transpo & Distribution)	3	Mgt 314 (Cus Serv Priorities & Strat)	3
Mgt 49 (Corp Research 1)	3	Mgt 316 (Warehouse Operations)	3
Mkt 31 (Principles of Marketing)	3	Mgt 32 (Prod & Operations Mgt)	3
		Mgt 38 (Environmt & Business)	3
	<u>24</u>		<u>24</u>

FOURTH YEAR

First Semester	Units	Second Semester	Units
Acc 35 (Tax Accounting 1)	3	Mgt 412 (Adv Warehsng & Distrib)	3
Eng 33 (Intro to Litt w/ Phil Litt)	3	Mgt 414 (Fin Mgt for Supp Mgt)	3
Mgt 411 (eProcure & Rev Auctions)	3	Mgt 416 (Practicum for Supp Mgt)	3
Mgt 413 (Demand Mgt & Prod Mgt)	3	Mgt 52 (Entrep Mgt 2)	3
Mgt 415 (Strat Purchasing)	3		
Mgt 45 (Strategic Mgt & Bus Policy)	3		
Mgt 51 (Entrep Mgt 1)	3		
Mkt 33 (Principles of Advertising)	3		
	<u>24</u>		<u>12</u>

**GROUP REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION (B.S.B.A.)**

	<u>Units</u>	<u>Units</u>
1. General Education		66
a. Language		
English (11, 12, 14, 21, 33)	15	
Filipino (13, 14)	6	
Humanities (11, 12)	6	
	<u>27</u>	
b. Natural Sciences/Mathematics		
Computer Science (15, 16)	6	
Natural Science (21, 22)	6	
Mathematics (11, 16, 22)	9	
	<u>21</u>	
c. Behavioral Sciences		
Economics (11, 12)	6	
History (11, 23)	6	
Political Science (12)	3	
	<u>15</u>	
d. Values Formation		
Freshman Orientation Seminar (11)	3	
e. Physical Education (11, 12, 21, 22)	(8)	
f. Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2. Basic Business Core		21
a. Accounting (11)	6	
b. Finance (11)	6	
c. Management (21, 26)	6	

d. Marketing (31)	3	
3. Business Education Core		42
a. Accounting	9	
b. Economics (26)	3	
c. Finance (25)	3	
d. Business Law (21, 22)	6	
e. Management (28, 30, 32, 39, 40, 43, 45)	21	
4. Basic Business Core		33
a. Management (36, 41, 49, 50, 51, 52, 48))	24	
b. Marketing (33)	3	
c. Free Elective	6	
Total		<u>162</u>

Candidates for the degree of BSBA may major in computer science, economics, finance, management, service management and supply management. For all majors except computer science and supply management, a minimum of 162 units will be required for graduation.

The title of Associate in Business Administration (ABA) is awarded after the completion of first and second curriculum years.

**CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
MAJOR IN COMPUTER SCIENCE (BSBA-CSC)**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Acc	12 (Intermediate Acc)	6
CSc	15 (Intro to Information Tech)	3	CSc	16 (Integ Application Soft)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls))	3
FOS	11 (Strat for Aca Suc in Col)	3	Hum	12 (Global Culture)	3
His	11 (Survey of Phil History)	3	Mat	22 (Elem Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Biological Sci)	3
NSc	21 (Intro to Phy Science)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	25 (Intro to Programming)	3	CSc	22 (Database Mgt System)	3
Eco	11 (Prin of Eco w/ LRT)	3	CSc	28 (Oriented Programming I)	3
Eng	21 (Effective Oral Comm)	3	Eco	12 (Principles of Eco II)	3
Fil	13 (Kom sa Akademikong Filipino)	3	Eng	14 (Survey of Litt in English)	3
Fin	11 (Basic Finance)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3

His	23 (Life & Works of Rizal)	3	Mat	16 (Quantitative Tech in Bus)	3
Hum	11 (Explrng & Exprcng the Arts)	3	Mgt	26 (Human Behavior in Org)	3
Mgt	21 (Organization & Mgt)	3	Mgt	28 (Human Resource Mgt)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

THIRD YEAR

First Semester	Units	Second Semester	Units
CSc 23 (Mgt Info system)	3	CSc 34 (Object Oriented Prog II)	3
CSc 35 (Data Communications)	3	CSc 36 (Advcd Database Mgt Sys)	3
CSc 37 (Data Struc & Algorithms)	5	CSc 44 (Web-based Technologies)	3
Fin 25 (Business Finance)	3	Eco 26 (Economic Development)	3
Law 21 (Integ. Business Law 1)	3	Law 22 (Integ. Business Law 2)	3
Mgt 39 (Good Gov & Corp Soc Resp)	3	Mgt 32 (Prod & Operations Mgt)	3
Mkt 31 (Principles of Marketing)	3	Mgt 40 (Environmental & Bus)	3
	<u>23</u>		<u>21</u>

FOURTH YEAR

First Semester	Units	Second Semester	Units
Acc 35 (Tax Accounting 1)	3	CSc 42 (Prin of Info Sys Dev II)	3
CSc 41 (Prin. of Info Sys Dev I)	3	CSc 46 (Electronic Commerce)	3
CSc 43 (Network Technologies)	3	CSc 48 (Practicum)	6
CSc 49 (Sys Mgt & Administration)	3		
Eng 33 (Intro to Litt w/ Phil Litt)	3		
Mkt 33 (Principles of Advertising)	3		
Mgt 45 (Strategic Mgt & Bus Policy)	3		
	<u>21</u>		<u>12</u>

TOTAL = 173 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
(MAJOR IN COMPUTER SCIENCE)**

	<u>Units</u>	<u>Units</u>
1. General Education		66
a. Communication and Literature		
English (11, 12, 14, 21, 33)	15	
Filipino (13, 14)	6	
	<u>21</u>	
b. Quantitative Reasoning		
Mathematics (11, 16, 22)	9	
c. Information Management		
Computer Science (15, 16)	6	
d. Science and Technology		
Natural Science (21, 22)	6	
e. Humanities and Global Culture		
Humanites (11, 12)	6	

f.	Social Science Analysis		
	History (11, 23)	6	
	Economics (11, 12)	6	
	Political Science (12)	<u>3</u>	
		15	
g.	Values Formation		
	Freshman Orientation Seminar (11)	3	
h.	Physical Education (11, 12, 21, 22)	(8)	
i.	Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2.	Basic Business Core		107
a.	Accounting (11)	6	
b.	Finance (11)	3	
c.	Management (21)	3	
d.	Marketing (31)	3	
e.	Management (26)	<u>3</u>	
		18	
3.	Business Education Core		
a.	Accounting (12, 35)	9	
b.	Economics (26)	3	
c.	Finance (25)	3	
d.	Law (21, 22)	6	
e.	Management (28, 32, 40, 45, 49)	15	
f.	Marketing (33)	<u>3</u>	
		39	
4.	Professional Courses		
a.	Computer Science (22, 23, 25, 28, 34, 35, 36, 37, 41, 42, 43, 44, 46, 48, 49)	50	
			<u>173</u>
	Total		

**GROUP REQUIREMENTS FOR THE TITLE OF
ASSOCIATE IN BUSINESS ADMINISTRATION (A.B.A.)**

	<u>Units</u>	<u>Units</u>
1. General Education		63
a. Language		
	English (11, 12, 21, 14)	12
	Filipino (13, 14)	<u>6</u>
		18
b. Natural Sciences/Mathematics		
	Computer Science (15, 16)	6
	Natural Science (21, 22)	6
	Mathematics (11, 22, 16)	<u>9</u>
		21
c. Behavioral Sciences		
	Economics (11, 12)	6
	History (11, 23)	6

	Political Science (12)	3	
	FOS (11)	3	
	Humanities (11, 12)	6	
		<hr/> 24	
d.	Physical Education (11, 12, 21, 22)	(8)	
e.	Military Service/Civic Welfare Service (MS 11, 12)	(6)	
2.	Business Education		27
a.	Accounting (11, 12)	12	
b.	Finance (11)	3	
c.	Management (21, 26, 28, 30)	12	
		<hr/> 27	
	Total		<hr/> 90

TOTAL = 90 UNITS

EDUCATION PROGRAM

Within the context of, and in addition to, the stipulated objectives of the University, the Education program is meant to prepare the student for a gainful and intellectually satisfying role in teaching and in related educational activities in both the public and private educational sectors, although primarily for the first and second levels, through (1) imparting a thorough knowledge of subject matter and familiarity with the competencies essential to professional educational practice; (2) evolving such types of preparations as shall ensure the broadest possible social as well as academic and professional education in a dramatically changing world; (3) a broad awareness of the various inputs and areas of training which makes for an effective but human teacher; and (4) competence with the technical skills necessary for an effective teacher. In addition, the importance and complementary nature of general education is recognized, and its objective as enunciated in the Liberal Arts program is made part of the general thrust of the Education program.

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

		<u>FIRST YEAR</u>			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>	
CSc	15 (Intro to Info Tech)	3	CSc	16 (Integrated App Soft)	3
Edu	13 (The Teaching Profession)	3	Edu	14 (Child & Adolescent Dev)	3
Eng	11 (Intro to College Eng)	3	Edu	16 (Facilitating Human Lrng)	3
FOS	11 (Strat for Aca Succ in Col)	3	Edu	18 (Social Dimensions of Edu)	3
His	11 (Survey of Phil History)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
Mat	11 (College Algebra)	3	Mat	22 (Elem Statistics)	3
NSc	21 (Intro to Phy Science)	3	NSc	22 (Intro to Biological Sci)	3
NSTP	11 (Natl Service Trng Prog)	(3)	NSTP	12 (Natl Service Trng Prog)	(3)

PE 11 (Physical Education)	(2)	PE 12 (Physical Education)	(2)
	<u>21</u>		<u>21</u>

SECOND YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Eco 11 (Prin of Eco 1 w/ LRT)	3	Edu 20 (Prin of Teaching 2)	3
Edu 19 (Prin of Teaching 1)	3	Edu 30 (Educational Tech 2)	3
Edu 29 (Educational Tech 1)	3	Edu 40 (Curriculum Dev)	3
Eng 21 (Effective Oral Comm)	3	Eng 14 (Surv of Litt in Eng)	3
Fil 13 (Kom sa Akademikong Fil)	3	Fil 14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
His 23 (Life & Works of Rizal)	3	Hum 12 (Global Culture)	3
Hum 11 (Explr & Exprcng the Arts)	3	PSc 12 (Phil Govt & Constitution)	3
Mat 33 (Trigonometry)	3	PSc 12 (General Psychology)	3
PE 21 (Physical Education)	(2)	PE 22 (Physical Education)	(2)
	<u>24</u>		<u>24</u>

Summer

	<u>Units</u>
Eng 13 (Language Curr)	3
Eng 15 (Teach Speaking)	3
Eng 38 (Linguistics)	3
	<u>9</u>

THIRD YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Edu 27 (Development Reading 1)	3	Edu 46 (Assessment of Learning 2)	3
Edu 45 (Assessment of Learning 1)	3	Edu 54 (Field Study A)	3
Eng 17 (Teach, Listening & Rdng)	3	Eng 16 (Myth & Folklore)	3
Eng 19 (Teaching Lit)	3	Eng 30 (Prep & Eval of Instr Mat)	3
Eng 31 (Surv World Lit)	3	Eng 34 (Surv of Amer Lit)	3
Eng 33 (Intro to Lit w/ Phil Lit)	3	Eng 40 (Campus Journalism)	3
Eng 37 (Afro-Asian Lit)	3	Eng 52 (Speech/Stage Arts)	3
Eng 39 (Adv Grammar for Teachers)	3		
	<u>24</u>		<u>21</u>

FOURTH YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Edu 41 (Special Topics in Educ)	3	Edu 52 (Thesis/Research Project)	3
Edu 51 (Research & Research Des)	3	Edu 58 (Integrated Course 2)	3
Edu 55 (Field Study B)	3	Edu 62 (Student Teaching)	6
Edu 57 (Integrated Course 1)	3	Eng 48 (Call Center Fund 2)	3
Edu 59 (Integrated Course 3)	3		
Eng 35 (Surv Eng Lit)	3		
Eng 47 (Call Center Fund 1)	3		
Eng 51 (Creative Writing)	3		
	<u>24</u>		<u>15</u>

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Info Tech)	3	CSc	16 (Integrated App Soft)	3
Edu	13 (The Teaching Profession)	3	Edu	14 (Child & Adolescent Dev)	3
Eng	11 (Intro to College Eng)	3	Edu	16 (Facilitating Human Lrng)	3
FOS	11 (Strat for Aca Succ in Col)	3	Edu	18 (Social Dimensions of Edu)	3
His	11 (Survey of Phil History)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
Mat	11 (College Algebra)	3	Mat	22 (Elem Statistics)	3
NSc	21 (Intro to Phy Science)	3	NSc	22 (Intro to Biological Sci)	3
NSTP	11 (Natl Service Trng Prog)	(3)	NSTP	12 (Natl Service Trng Prog)	(3)
PE	11 (Physical Education)	(2)	PE	12 (Physical Education)	(2)
		<u>21</u>			<u>21</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco 1 w/ LRT)	3	Edu	30 (Educational Tech 2)	3
Edu	19 (Prin of Teaching 1)	3	Edu	40 (Curriculum Dev)	3
Edu	29 (Educational Tech 1)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Eng	21 (Effective Oral Comm)	3	Hum	12 (Global Culture)	3
Fil	13 (Kom sa Akademikong Fil)	3	Mat	34 (Adv Col Algebra)	3
His	23 (Life & Works of Rizal)	3	PSc	12 (Phil Govt & Constitution)	3
Hum	11 (Explr & Exprcng the Arts)	3	Psy	12 (General Psychology)	3
Mat	33 (Trigonometry)	3	PE	22 (Physical Education)	(2)
PE	21 (Physical Education)	(2)			<u>(2)</u>
		<u>24</u>			<u>21</u>

Units

Summer

Mat	17 (Plane Geom)	3
Mat	24 (Discrete Math)	3
Mat	32 (Analytical Geom)	3
		<u>9</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Edu	27 (Development Reading 1)	3	Edu	46 (Assessment of Learning 2)	3
Edu	45 (Assessment of Learning 1)	3	Edu	54 (Field Study A)	3
Eng	33 (Intro to Litt w/ Phil Litt)	3	Mat	15 (Contemporary Math)	3
Mat	19 (Solid Geom)	3	Mat	36 (Modern Geom)	3
Mat	21 (Probability)	3	Mat	38 (Abstract Algebra)	3
Mat	27 (Number Theory)	3	Mat	40 (Adv Stat)	3
Mat	41 (Diff Calculus)	3	Mat	42 (Integ Calculus)	3
Mat	45 (Linear Algebra)	3			
		<u>24</u>			<u>21</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Edu	41 (Special Topics in Educ)	3	Edu	52 (Thesis/Research Project)	3
Edu	51 (Funds of Research)	3	Edu	58 (Integrated Course 2)	3
Edu	55 (Field Study B)	3	Edu	62 (Student Teaching)	6
Edu	57 (Integrated Course 1)	3	Mat	46 (Math Investigation)	3
Edu	59 (Integrated Course 3)	3			
Mat	35 (Instrumentation Math)	3			
Mat	43 (Diff Equations)	3			
Mat	47 (Problem Solving)	3			
		<u>24</u>			<u>15</u>

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Info Tech)	3	CSc	16 (Integrated App Soft)	3
Edu	13 (The Teaching Profession)	3	Edu	14 (Child & Adolescent Dev)	3
Eng	11 (Intro to College Eng)	3	Edu	16 (Facilitating Human Lrng)	3
FOS	11 (Strat for Aca Succ in Col)	3	Edu	18 (Social Dimensions of Edu)	3
His	11 (Survey of Phil History)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
Mat	11 (College Algebra)	3	Mat	22 (Elem Statistics)	3
NSc	21 (Intro to Phy Science)	3	NSc	22 (Intro to Biological Sci)	3
NSTP	11 (Natl Service Trng Prog)	(3)	NSTP	12 (Natl Service Trng Prog)	(3)
PE	11 (Physical Education)	(2)	PE	12 (Physical Education)	(2)
		<u>21</u>			<u>21</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco 1 w/ LRT)	3	Eco	12 (Prin of Eco 2)	3
Edu	19 (Prin of Teaching 1)	3	Edu	20 (Prin of Teaching 2)	3
Edu	29 (Educational Tech 1)	3	Edu	30 (Educational Tech 2)	3
Eng	21 (Effective Oral Comm)	3	Edu	40 (Curriculum Dev)	3
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
His	23 (Life & Works of Rizal)	3	Hum	12 (Global Culture)	3
Hum	11 (Explr & Exprcng the Arts)	3	PSc	12 (Phil Govt & Constitution)	3
Soc	11 (Basic Geography)	3	Soc	24 (World His/Civil L1)	3
PE	21 (Physical Education)	(2)	PE	22 (Physical Education)	(2)
		<u>24</u>			<u>24</u>

Summer

		<u>Units</u>
Soc	12 (Geography Phil)	3
Soc	14 (World Geography)	3
Soc	27 (Teaching Soc Sci)	3
		<u>9</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Edu	27 (Development Reading 1)	3	Eco	26 (Eco Dev)	3
Edu	45 (Assessment of Learning 1)	3	Edu	46 (Assessment of Learning 2)	3
Eng	33 (Intro to Litt w/ Phil Litt)	3	Edu	54 (Field Study A)	3
PSc	11 (Intro to Pol Sci)	3	Phi	32 (Health Ethics)	3
Psy	11 (Elem Psycho)	3	Phi	36 (Phil of Man)	3
Soc	25 (World His/Civl 2)	3	Soc	24 (World His/Civl 1)	3
Soc	29 (Comp Gov & Pol)	3	Soc	26 (Bldg Brdges Acr Soc Sci)	3
Soc	33 (Prod of Soc Sci Instr Mat)	3			
		<u>24</u>			<u>21</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Edu	41 (Special Topics in Educ)	3	Edu	52 (Thesis/Research Project)	3
Edu	51 (Funds of Research)	3	Edu	58 (Integrated Course 2)	3
Edu	55 (Field Study B)	3	Edu	62 (Student Teaching)	6
Edu	57 (Integrated Course 1)	3	Soc	68 (Scien Rsng & Crit Thnkng)	3
Edu	59 (Integrated Course 3)	3			
His	35 (Modern Phil His)	3			
Soc	35 (Trnds in Soc)	3			
Soc	37 (Cont Phil Soc Prob)	3			
		<u>24</u>			<u>15</u>

**GROUP REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF SECONDARY EDUCATION (B.S.ED.)**

	<u>Units</u>	<u>Units</u>
1. General Education		66
a. Communication and Literature		
English (11, 12, 14, 21, 33)	15	
Filipino (13, 14)	6	
	<u>21</u>	
b. Quantitative Reasoning		
Mathematics (11, 22, 33)	9	
c. Information Management		
Computer Science (15, 16)	6	
d. Science and Technology		
Natural Science (21, 22)	6	
e. Humanities and Global Culture		
Humanities (11, 12)	6	
f. Social Science Analysis		
Economics (11)	3	
History (11, 23)	6	
Political Science (12)	3	
Psychology (11/12)	3	
	<u>3</u>	
	15	

g.	Values Formation FOS (11)	3	
h.	Physical Education (11, 12, 21, 22)	(8)	
i.	Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2.	Professional Education		117
a.	Education (13, 14, 16, 18, 19, 20, 27, 29, 30, 33, 40, 41, 44, 45, 46, 52, 54, 55, 57, 58, 59)	63	
b.	Major/Minor Electives	54	
	Total		<u>183</u>

**GROUP REQUIREMENTS FOR THE TITLE OF
ASSOCIATE IN EDUCATION (A.ED.)**

	<u>Units</u>	<u>Units</u>
1. General Education		60
a.	Communication and Literature English (11, 12, 21) Filipino (13, 14)	9 <u>6</u> 15
b.	Quantitative Reasoning Mathematics (11, 22, 33)	9
c.	Information Management Computer Science (15, 16)	6
d.	Science and Technology Natural Science (21, 22)	6
e.	Values Formation FOS (11)	3
f.	Humanities and Global Culture Humanities (11, 12)	6
g.	Social Science Analysis Economics (11, 12) History (11, 23) Political Science (12)	6 6 3
d.	Physical Education (11, 12, 21, 22)	(8)
e.	Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)
2. Professional Education		30
a.	Education (13, 14, 16, 18, 19, 20, 29, 30, 40)	27
b.	Major Elective	3
	Total	<u>90</u>

Candidates for the B.S.Ed. degree may major in English, History or Mathematics. For all majors, a minimum of 183 units will be required for graduation.

The title of Associate in Education (A.Ed.) is awarded after the completion of the first and second curriculum years.

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Info Mgt)	3	CSc	16 (Software App)	3
Edu	13 (The Teaching Prof)	3	Edu	14 (Child & Adolescnt Dev)	3
Eng	11 (Intro to College Eng)	3	Edu	16 (Facilitating Human Lrng)	3
FOS	11 (Strat for Aca Succ in Col)	3	Edu	18 (Soc Dimensions of Edu)	3
His	11 (Survey of Phil His)	3	Eng	12(Rdng, Wrtg & Rscrh Skls)	3
Mat	11 (College Algebra)	3	Mat	22 (Elementary Statistics)	3
NSc	21 (Intro to Phy Sci)	3	NSc	22 (Intro to Biological Sci)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		21			21

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/ TLR)	3	Edu	20 (Prin of Teaching 2)	3
Edu	19 (Prin of Teaching 1)	3	Edu	30 (Educational Tech 2)	3
Edu	29 (Educational Tech 1)	3	Edu	40 (Educ Tech 2)	3
Eng	21 (Speech & Oral Comm)	3	Eng	14 (Survey of Literature in Eng)	3
Eng	33 (Intro to Litt w/ Phil Litt)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Fil	13 (Kom sa Akademikong Fil)	3	Hum12	(Global Culture)	3
His	23 (Life & Works of Rizal)	3	NSc	14 (Physics)	3
Hum	11 (Explrg & Exprg the Arts)	3	PSc	12 (Phil Govt & Constitution)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		24			24

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Edu	15 (Music, Arts & PE)	3	Edu	46 (Assessment of Learning 2)	3
Edu	27 (Developmental Rdng 1)	3	Edu	54 (Field Study A)	3
Edu	35 (HE & Livelihood Educ)	3	Fil	12 (Panitikang Filipino)	3
Edu	17 (Values Educ for Teachers)	3	Mat	31 (Plane & Solid Geometry)	3
Edu	45 (Assessment of Learning 1)	3	NSc	26 (Environmental Science)	3
Eng	39 (Adv Grammar for Tchrs)	3	NSc	28 (Astronomy)	3
Mat	33 (Trigonometry)	3	NSc	36 (Inorganic Chemistry)	3
NSc	31 (Geography)	3	Psy	12 (Gen Psychology)	3
		24			24

FOURTH YEAR

First Semester	Units	Second Semester	Units
Edu 41 (Special Topics in Educ)	3	Edu 42 (Student Teaching)	6
Edu 47 (Developmental Reading 2)	3	Edu 52 (Thesis/Research Project)	3
Edu 51 (Rsrch & Rsrch Designing)	3	Edu 58 (Integrated Course 2)	3
Edu 55 (Field Study B)	3	Edu 60 (Integrated Course 3)	3
Edu 57 (Integrated Course 1)	3	His 38 (Bldg Brdgs Across Soc Sci Disciplines)	3
Eng 29 (Children's Literature)	3	Mat 32 (Analytic Geometry)	3
Mat 47 (Problem Solving)	3		3
	<u>21</u>		<u>21</u>

TOTAL = 180 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF ELEMENTARY EDUCATION (B.E.ED.)**

	<u>Units</u>	<u>Units</u>
1. General Education		66
a. Communication and Literature		
English (11, 12, 14, 21, 33)	15	
Filipino (13, 14)	6	
	<u>21</u>	
d. Quantitative Reasoning		
Mathematics (11, 22, 33)	9	
e. Information Management		
Computer Science (15, 16)	6	
d. Science and Technology		
Natural Science (21, 22)	6	
e. Humanities and Global Culture		
Humanities (11, 12)	6	
f. Social Science Analysis		
Economics (11)	6	
History (11, 23)	6	
Political Science (12)	3	
Psychology (11)	3	
	<u>3</u>	
	15	
g. Values Formation		
FOS (11)	3	
h. Physical Education (11, 12, 21, 22)	(8)	
i. Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2. Professional Education		60
a. Education (13, 14, 16, 18, 19, 20, 27, 29, 30, 40, 41, 42, 45, 46, 47, 51, 54, 55, 57, 58, 60)	63	
b. Major/Minor Electives	51	
	<u>51</u>	
Total		<u>180</u>

**GROUP REQUIREMENTS FOR THE TITLE OF
ASSOCIATE IN EDUCATION (A.ED.)**

	<u>Units</u>	<u>Units</u>
1. General Education		57
a. Communication and Literature		
English (11, 12, 14, 21)	12	
Filipino (13, 14)	6	
	18	
b. Quantitative Reasoning		
Mathematics (11, 22)	6	
c. Information Management		
Computer Science (15, 16)	6	
d. Science and Technology		
Natural Science (21, 22)	6	
e. Values Formation		
FOS (11)	3	
f. Humanities and Global Culture		
Humanities (11)	3	
g. Social Science Analysis		
Economics (11, 12)	6	
History (11, 23)	6	
Political Science (12)	3	
d. Physical Education (11, 12, 21, 22)	(8)	
e. Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2. Professional Education		
a. Education (13, 14, 16, 18, 19, 20, 29, 30, 40)	30	
b. Content Area Course (NSc 14)	3	
	Total	90

The areas of concentration for candidates for the B.E.Ed. degree are English, Mathematics, or Social Studies where a minimum of 180 units is required for graduation.

The title of Associate in Education (A.Ed.) is awarded after the completion of the first and second curriculum years.

LIBERAL ARTS PROGRAM

Within the context of, and in addition to, the explicit objectives of the University, the Liberal Arts program is meant to prepare its students for full and balanced lives as individuals and responsible citizens, by (1) instilling the analytical

approach by which the truth is arrived at; (2) acquainting the student with the board major areas of intellectual knowledge, namely, the natural sciences, the social sciences, and the humanities; (3) fostering a desirable intellectual facility through the development of clarity of thought and expression, a compassionate insight into human needs and aspirations, moral and esthetic awareness, and receptiveness to divergent ideas and proposals; (4) facilitating an awareness and enjoyment of the intellectual quality of life; for itself and not merely as a means for other intentions.

**CURRICULUM REQUIREMENTS BY YEAR FOR THE
DEGREE OF BACHELOR OF ARTS – MAJOR IN ECONOMICS**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Info Mgt)	3	CSc	16 (Integ App Software)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Acad Success)	3	Mat	22 (Elementary Stat)	3
His	11 (Survey of Phil History)	3	NSc	22 (Intro to Biological Sci)	3
Mat	11 (College Algebra)	3	Phi	32 (Ethics & Values Formtion)	3
NSc	21 (Intro to Physical Sci)	3	Soc	22 (General Sociology)	3
NSTP	11 (Natl Service Trng Prog)	(3)	NSTP	12 (Natl Service Trng Prog)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		18			18

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/TLR)	3	Eco	12 (Prin of Economics 2)	3
Eng	21 (Speech & Oral Comm)	3	Eng	14 (Survey of Literature in Eng)	3
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
His	23 (Life & Works of Rizal)	3	Hum	12 (Global Culture)	3
Mat	33 (Trigonometry)	3	Phi	36 (Philosophy of Man)	3
PSc	11 (Intro to Political Sci)	3	PSc	12 (Phil Govt & Constitution)	3
PE	21 (Physical Education)	(2)	PE	22 (Physical Education)	(2)
		18			18

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	25 (Microeconomic Theory)	3	Eco	22 (International Eco)	3
Eco	27 (Math for Eco)	3	Eco	26 (Eco Dev)	3
Eco	31 (Bus & Govt)	3	Eco	28 (Prin of Eco)	3
Eng	33 (Intro to Lit w/ Phil Lit)	3	Eng	28 (Argumentation & Debate)	3
Hum	11 (Explrng, Exprng the Arts)	3	FLn	12 (Basic Convrstn Mandarin)	3
Phi	21 (Logic)	3			
		18			15

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	33 (Mon Theo/Pol)	3	Eco	34 (Eco Analysis)	3
Eco	37 (Managerl Eco)	3	Edu	52 (Thes/Research Proj)	3
Eco	43 (Macroeco Theory)	3			
Edu	51 (Funds of Research)	3			
Psy	11 (General Psychology)	3			
		<u>15</u>			<u>6</u>

**CURRICULUM REQUIREMENTS BY YEAR FOR THE
DEGREE OF BACHELOR OF ARTS – MAJOR IN ENGLISH**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Info Mgt)	3	CSc	16 (Integ App Software)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Acad Success)	3	Mat	22 (Elementary Stat)	3
His	11 (Survey of Phil History)	3	NSc	22 (Intro to Biological Sci)	3
Mat	11 (College Algebra)	3	Phi	32 (Ethics & Values Formtion)	3
NSc	21 (Intro to Physical Sci)	3	Soc	22 (General Sociology)	3
NSTP	11 (Natl Service Trng Prog)	(3)	NSTP	12 (Natl Service Trng Prog)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>18</u>			<u>18</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/TLR)	3	Eco	12 (Prin of Economics 2)	3
Eng	21 (Speech & Oral Comm)	3	Eng	14 (Survey of Literature in Eng)	3
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
His	23 (Life & Works of Rizal)	3	Hum	12 (Global Culture)	3
Mat	33 (Trigonometry)	3	Phi	36 (Philosophy of Man)	3
PSc	11 (Intro to Political Sci)	3	PSc	12 (Phil Govt & Constitution)	3
PE	21 (Physical Education)	(2)	PE	22 (Physical Education)	(2)
		<u>18</u>			<u>18</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eng	23 (Teach & Rep Wrtng)	3	Eng	28 (Argumentation & Debate)	3
Eng	31 (Surv World Lit)	3	Eng	32 (Surv Asian Lit)	3
Eng	33 (Intro to Lit w/ Phil Lit)	3	Eng	36 (Essay Writing)	3
Eng	37 (Afro-Asian Lit)	3	Eng	38 (Linguistics)	3
Hum	11 (Explrng, Exprcng the Arts)	3	FLn	12 (Basic Convrstn Mandarin)	3
Phi	21 (Logic)	3			
		<u>18</u>			<u>15</u>

FOURTH YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Eng 39 (Adv Grammar for Teachers)	3	Edu 52 (Thesis/Research Proj)	3
Eng 45 (Lit Criticism)	3	Eng 48 (Call Center Fund 2)	3
Eng 47 (Call Center Fund)	3	Elective	3
Psy 11 (General Psychology)	3		
Elective	3		
Elective	3		
	<hr/>		<hr/>
	18		9

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

FIRST YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
CSc 15 (Intro to Info Mgt)	3	CSc 16 (Integ App Software)	3
Eng 11 (Intro to College English)	3	Eng 12 (Rdng, Wrtg & Rsrch Skls)	3
FOS 11 (Strat for Acad Success)	3	Mat 22 (Elementary Stat)	3
His 11 (Survey of Phil History)	3	NSc 22 (Intro to Biological Sci)	3
Mat 11 (College Algebra)	3	Phi 32 (Ethics & Values Formtion)	3
NSc 21 (Intro to Physical Sci)	3	Soc 22 (General Sociology)	3
NSTP 11 (Natl Service Trng Prog)	(3)	NSTP 12 (Natl Service Trng Prog)	(3)
PE 11 (Physical Educ)	(2)	PE 12 (Physical Educ)	(2)
	<hr/>		<hr/>
	18		18

SECOND YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Eco 11 (Prin of Eco w/TLR)	3	Eco 12 (Prin of Economics 2)	3
Eng 21 (Speech & Oral Comm)	3	Eng 14 (Survey of Literature in Eng)	3
Fil 13 (Kom sa Akademikong Fil)	3	Fil 14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
His 23 (Life & Works of Rizal)	3	Hum 12 (Global Culture)	3
Mat 33 (Trigonometry)	3	Phi 36 (Philosophy of Man)	3
PSc 11 (Intro to Political Sci)	3	Phi 12 (Phil Govt & Constitution)	3
PE 21 (Physical Education)	(2)	PE 22 (Physical Education)	(2)
	<hr/>		<hr/>
	18		18

THIRD YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Eng 33 (Intro to Litt w/ Phil Litt)	3	Eng 28 (Argumentation & Debate)	3
His 13 (South/West Asia)	3	FLn 12 (Basic Convrstn Mandarin)	3
His 21 (Phil Revolution)	3	His 14 (Asian History 2)	3
His 31 (Ancient & Medv His)	3	His 16 (Asian Civilization)	3
Hum 11 (Explrng, Exprcng the Arts)	3	His 24 (Intro Phi Culture)	3
Phi 21 (Logic)	3		
	<hr/>		<hr/>
	18		15

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Edu	51 (Funds of Research)	3	Edu	52 (Thesis/Research Proj)	3
His	33 (Modern Europe)	3	His	32 (Modern World His)	3
His	35 (Modern Phil His)	3		Elective	3
His	37 (Philo of His)	3			
Psy	11 (General Psychology)	3			
	Elective	3			
		<u>15</u>			<u>9</u>

**CURRICULUM REQUIREMENTS BY YEAR FOR THE
DEGREE OF BACHELOR OF ARTS – MAJOR IN MATHEMATICS**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Info Mgt)	3	CSc	16 (Integ App Software)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls)	3
FOS	11 (Strat for Acad Success)	3	Mat	22 (Elementary Stat)	3
His	11 (Survey of Phil History)	3	NSc	22 (Intro to Biological Sci)	3
Mat	11 (College Algebra)	3	Phi	32 (Ethics & Values Formtion)	3
NSc	21 (Intro to Physical Sci)	3	Soc	22 (General Sociology)	3
NSTP	11 (Natl Service Trng Prog)	(3)	NSTP	12 (Natl Service Trng Prog)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		<u>18</u>			<u>18</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco w/TLR)	3	Eco	12 (Prin of Economics 2)	3
Eng	21 (Speech & Oral Comm)	3	Eng	14 (Survey of Literature in Eng)	3
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
His	23 (Life & Works of Rizal)	3	Hum	12 (Global Culture)	3
Mat	33 (Trigonometry)	3	Mat	32 (Analytical Geom)	3
PSc	11 (Intro to Political Sci)	3	PSc	12 (Phil Govt & Constitution)	3
PE	21 (Physical Education)	(2)	PE	22 (Physical Education)	(2)
		<u>18</u>			<u>18</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eng	33 (Intro to Litt w/ Phil Litt)	3	Eng	28 (Argumentation & Debate)	3
Hum	11 (Explrng, Exprcng the Arts)	3	FLn	12 (Basic Convrstn Mandarin)	3
Mat	25 (Math of Finance)	3	Mat	34 (Adv Col Algebra)	3
Mat	31 (Plane & Solid Geom)	3	Mat	42 (Integ Calculus)	3
Mat	41 (Diff Calculus)	3	Phi	36 (Philo of Man)	3
Phi	21 (Logic)	3			
		<u>18</u>			<u>15</u>

FOURTH YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Edu 51 (Funds of Research)	3	Edu 52 (Thesis/Research Proj)	3
Mat 43 (Diff Equations)	3	Mat 24 (Discrete Math)	3
Mat 45 (Linear Algebra)	3	Mat 48 (Math Concepts)	3
Psy 11 (General Psychology)	3	Elective	3
	<u>3</u>		
	15		<u>12</u>

**GROUP REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF ARTS (A.B.)**

	<u>Units</u>	<u>Units</u>
1. General Education		66
a. Communication & Literature		
English (11, 12, 14, 21, 33)	15	
Filipino (13, 14)	<u>6</u>	
	21	
b. Quantitative Reasoning		
Mathematics (11, 22, 33)	9	
c. Information Management		
Computer Science (15, 16)	6	
d. Science & Technology		
Natural Science (21, 22)	6	
e. Humanities & Global Culture		
Humanities (11, 12)	6	
f. Social Science & Analysis		
History (11, 23)	6	
Economics (11, 12)	6	
Political Science (12)	<u>3</u>	
	15	
g. Values Formation		
Freshman Orientation Seminar (11)	3	
h. Physical Education (11, 12, 21, 22)	(8)	
i. Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2. Professional Education		66
Major and Free Electives	42	
Required Cognates		
English (28)	3	
FLN (12)	3	
Psychology (11)	3	
Political Science (11)	3	
Sociology (22)	3	
Philosophy (11, 32, 36)	<u>9</u>	
	24	
Total		<u>132</u>

**GROUP REQUIREMENTS FOR THE TITLE OF
ASSOCIATE IN ARTS (A.A.)**

	<u>Units</u>	<u>Units</u>
1. General Education		
a. Communication and Literature		
English (11, 12, 14, 21)	12	
Filipino (13, 14)	6	
	18	
b. Quantitative Reasoning		
Mathematics (11, 22, 23)	9	
c. Information Management		
Computer Science (15, 16)	6	
d. Science and Technology		
Natural Science (21, 22)	6	
e. Values Formation		
FOS (11)	3	
f. Humanities and Global Culture		
Humanities (11, 12)	6	
g. Social Science Analysis		
Economics (11, 12)	3	
History (11, 23)	6	
Political Science (12)	3	
h. Required Cognates		
Political Science (11)	3	
Sociology (22)	3	
Philosophy (32, 36)	6	
i. Physical Education (11, 12, 21, 22)	(8)	
j. Military Service/Civic Welfare Service		
(MS 11, 12/CS 11, 12)	(6)	
	Total	72

Candidates for the A.B. degree may major in Economics, English, History, or Mathematics. For all majors, a minimum of 132 units will be required for graduation.

The title Associate in Arts (A.A.) is awarded after the completion of the first and second curriculum years.

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.

**CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
BACHELOR OF SCIENCE IN CRIMINOLOGY (B.S. CRIM.)**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CRI	11 (Intro to Crim & Psy of Crms)	3	CRI	12 (Phil Criminal Justice System)	3
CSc	15 (Intro to Information Mgt)	3	CRI	14 (Eth & Val Form for Law Enfrcr)	3
Eng	11 (Intro to College English)	3	CRI	16 (Pol Org & Adm w/Police Plng)	3
Fil	13 (Kom sa Akademikong Fil)	3	CRI	18 (Industrial Security Mgt)	3
FOS	11 (Strat for Acad Suc in Col)	3	Eng	12 (Rdng, Writing & Rsrch Skills)	3
His	11 (Philippine History)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Mat	11 (College Algebra)	3	Mat	33 (Trigonometry)	3
Psy	11 (General Psychology)	3	NSTP	12 (Natl Serv Trng Program)	(3)
NSTP	11 (Natl Serv Trng Program)	(3)	PSc	12 (Phil Govt & Constitution)	3
PE	13 (Fund of Martial Arts)	(2)			
		24			24

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CRI	19 (Criminal Law 1)	3	CRI	20 (Criminal Law 2)	3
CRI	21 (Pol Pat Oper w/Pol Com Sys)	3	CRI	22 (Juvenile Delinq & Crime Prev)	3
CRI	23 (Police Intelligence)	3	CRI	24 (Fund of Criminal Investigation)	3
CRI	25 (Personal Identification)	4	CRI	26 (Police Photography)	4
Eco	11 (Prin of Eco 1 w/ TLR)	3	Eng	42 (Invest Rep Wrtg for Pol Persnl)	3
Eng	25 (Tech Report Writng in Crim)	3	NSc	20 (Forensic Chem & Toxicology)	5
NSc	15 (General Chemistry)	5	Soc	22 (Sociology / Anthropology)	3
PE	23 (First Aid & Water Survival)	(2)	PE	24 (Markmaship & Combat Shootg)	(2)
		24			24

THIRD YEAR

<u>FIRST SEMESTER</u>		<u>UNITS</u>	<u>SECOND SEMESTER</u>		<u>UNITS</u>
CRI	31 (Traffic Mgt & Accident Inv)	3	CRI	32 (Human Behavior & Crisis Mgt)	3
CRI	33 (Forensic Ballistics)	4	CRI	34 (Organized Crime Investigation)	3
CRI	35 (Questioned Doc Exam)	4	CRI	36 (Polygraphy-Lie Detection)	4
CRI	37 (Institutional Corrections)	3	CRI	38 (Non-Institutional Correction)	3
CRI	39 (Police Persnl & Records Mgt)	3	CRI	40 (Criminal Procedure)	3
Eng	21 (Speech & Oral Comm)	3	CRI	42 (Non-Institutional Corrections)	3
			Phi	22 (Logic)	3
		23			22

FOURTH YEAR

<u>FIRST SEMESTER</u>	<u>UNITS</u>	<u>SECOND SEMESTER</u>	<u>UNITS</u>
CRI 41 (Comparative Police System)	3	CRI 54 (On-the-job Training)	6
CRI 43 (Drug Educ & Vice Control)	3		
CRI 45 (Fire Tech & Arson Investgtn)	3		
CRI 47 (Legal Medicine)	3		
CRI 49 (Research Methods in Crim)	3		
CRI 51 (Criminal Evidence)	3		
CRI 53 (Court Testimony)	3		
Eng 33 (Intro to Lit w/ Phil Lit)	3		
	<u>24</u>		<u>6</u>

TOTAL = 171 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN CRIMINOLOGY (B.S. CRIM.)**

	<u>Units</u>	<u>Units</u>
1. General Education		67
a. Communication & Literature		
English (11, 12, 21, 25, 33, 42)	18	
Filipino (13, 14)	6	
	<u>24</u>	
b. Quantitative Reasoning		
Mathematics (11, 33)	6	
c. Information Management		
Computer Science (15)	3	
d. Science & Technology		
Natural Science (15, 20)	10	
e. Social Science Analysis		
Economics (11)	3	
History (11, 23)	6	
Philosophy (22)	3	
Political Science (12)	3	
Psychology (11)	3	
Sociology (22)	3	
	<u>21</u>	
f. Values Formation		
FOS (11)	3	
g. Physical Education (13, 14, 23, 24)	(8)	
h. NSTP (MS/CS 11, 12)	(6)	
2. Professional Subjects		104
a. Sociology of Crimes		
Cri (11, 12, 14, 22, 32, 49)	18	
b. Law Enforcement Administration		
Cri (16, 18, 21, 23, 39, 41)	18	
c. Crime Detection and Investigation		

Cri (24, 31, 38, 42, 43, 45)	18	
d. Criminalistics		
CRL (25, 26, 33, 35, 36, 47)	23	
e. Correctional Administration		
CA (37, 38)	6	
f. Criminal Law and Jurisprudence		
CLJ (19, 20, 40, 51, 53)	15	
g. Practicum		
Cri (42)	6	
Total		171

COMPUTER ENGINEERING PROGRAM

Within the context of, and in addition to explicit objectives of the University, the Computer Engineering program is meant to prepare its graduates for a successful career in the interdisciplinary field of computer engineering that will enable them to: (1) Apply knowledge of mathematics, science, and engineering in identifying, formulating and solving computer engineering problems, and (2) Use hardware and software tools in analyzing, designing, developing and testing computer systems containing both hardware and software components.

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Information Mgt)	3	CSc	16 (Integrated App Soft)	3
Egr	11 (Engineering Drawing I)	2	Egr	12 (Engineering Drawing II)	2
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Resrh Skls)	3
FOS	11 (Strat for Acad Suc in Col)	3	Mat	22 (Elementary Statistics)	3
His	11 (Survey of Phil His)	3	Mat	32 (Analytic Geometry)	3
Hum	11 (Explrg & Exprg the Arts)	3	Mat	34 (Advanced Coll Algebra)	3
Mat	11 (College Algebra)	3	NSc	24 (Chemistry)	5
Mat	33 (Trigonometry)	3	NSc	26 (Environmental Science)	3
NSc	21 (Intro Physical Science)	3	NSTP	12 (Natl Serv Trng Program)	(3)
NSTP	11 (Natl Serv Trng Program)	(3)	PE	12 (Physical Educ)	(2)
PE	11 (Physical Educ)	(2)			
		<u>26</u>			<u>25</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	25 (Intro to Programming)	3	CSc	28 (Object Oriented Prog)	3
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Prin of Economics 2)	3
Eng	21 (Speech/Oral Comm)	3	Egr	20 (Comp Hardware Fund)	2
Eng	33 (Intro to Litt w/ Phil Litt)	3	Eng	14 (Surv of Literature in Eng)	3
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagsulat at Pagbasa Tungo sa Pananaliksik)	3
Mat	29 (Discrete Mathematics)	3			

Mat 37 (Differential Calculus)	4	Mat 52 (Plane & Solid Mensuratn)	3
NSc 33A (Physics Mechanics)	4	Mat 54 (Integral Calculus)	4
PE 21 (Physical Educ)	(2)	NSc 40 (Physics Electricity)	4
		PE 22 (Physical Educ)	(2)
	<u>26</u>		<u>25</u>

THIRD YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Egr 13 (Circuits I)	5	Egr 14 (Circuits II)	5
Egr 15 (Mechanics I)	3	Egr 16 (Mechanics II)	2
Egr 17 (Data Struc & Algo Anal)	5	Egr 18 (Electronics I)	5
Egr 49 (Engr Economy w/ Acc)	3	Egr 36 (Engineering Mgt)	3
Egr 53 (Environmentl & Safety Egr)	3	Hum 12 (Global Culture)	3
His 23 (Life & Works of Rizal)	3	Mat 44 (Adv Engineering Math)	3
Mat 43 (Diff Equations)	3	PSc 12 (Phil Gov't & Politics)	3
	<u>25</u>		<u>24</u>

FOURTH YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Egr 19 (Electronics II)	5	Egr 26 (Adv Logic Circuits)	5
Egr 25 (Logic Circuit & Swtchnng Th)	5	Egr 28 (Principles of Comm)	3
Egr 27 (Comp Org w/ Assembly Lng)	5	Egr 32 (Operating System)	5
Egr 29 (Strength of Materials)	3	Egr 54 (Control System)	4
Egr 39 (Project Management)	2	Egr 66 (Computer Architecture)	4
Egr 41 (Digital Signal Processing)	4	Egr 68 (System Analysis & Dsign)	3
Egr 51 (CpE Elective I)	3	Egr 52 (CpE Elective II)	3
	<u>27</u>		<u>27</u>

Summer

	<u>Units</u>
Egr 47 (On the Job Training)	3

FIFTH YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Egr 33 (Data Communication)	3	Egr 48 (Seminars & Field Trips)	2
Egr 37 (Microprocessor System)	5	Egr 56 (Comp Networks)	4
Egr 43 (Engr Ethics & Comp Laws)	2	Egr 64 (Design Project)	2
Egr 55 (Methods of Research)	3	ITc 44 (Software Engineering)	3
		ITc 58 (Tech Entrep & Innovtn)	3
		Egr 62 (CpE Elective III)	3
	<u>13</u>		<u>17</u>

TOTAL = 238 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (B.S.Cp.E)**

	<u>Units</u>	<u>Units</u>
1. General Education		66
a. Communication & Literature		
English (11, 12, 14, 21, 33)	15	
Filipino (13, 14)	6	
	21	
b. Quantitative Reasoning		
Mathematics (11, 22, 33)	9	
c. Information Management		
Computer Science (15, 16)	6	
d. Science & Technology		
Natural Science (21, 26)	6	
e. Humanities & Global Culture		
Humanities (11, 12)	6	
f. Social Science & Analysis		
History (11, 23)	6	
Economics (11, 12)	6	
Political Science (12)	3	
	15	
g. Values Formation		
Freshmen Orientation Seminar (11)	3	
h. Physical Education (11, 12, 21, 22)	(8)	
i. Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)	(6)	
2. Professional Subjects		172
a. Information Technology (44, 58)	6	
b. Computer Science (25, 28)	6	
c. Engineering (11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 32, 33, 34, 36, 37, 39, 41, 43, 45, 46, 47, 48, 49, 53, 54, 55, 56, 58, 60, 64)	113	
d. Natural Sciences (24, 33, 40)	13	
e. Mathematics (32, 41, 42, 43, 44, 50)	25	
f. CpE Electives	9	
Total		238

INFORMATION TECHNOLOGY PROGRAM

Within the context of, and in addition to the explicit objectives of the University, the Information Technology program highlights the practical application of IT. It provides students with the breadth and depth of IT needed in the professional success of the field. It prepares students to be professionals, be

well versed on application installation, operation, development, maintenance and administration, and familiar with hardware installation.

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

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Info Mgt)	3	CSc	16 (Integrated App Soft)	3
Eco	11 (Prin of Eco w/ LRT)	3	Eco	12 (Prin of Eco II)	3
Eng	11 (Intro to College Eng)	3	Eng	12 (Rdng, Wrtg & Resrh Skls)	3
FOS	11 (Strat for Acad Suc in Col)	3	ITc	16 (Discrete Structures)	3
His	11 (Survey of Phil History)	3	ITc	18 (Advanced Prog)	3
ITc	25 (Intro to Programming)	3	Mat	22 (Elementary Statistics)	3
Mat	11 (College Algebra)	3	NSc	22 (Intro to Bio Sci)	3
NSc	21 (Intro to Physical Sci)	3	PSc	12 (Phil Govt & Const)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program)	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		24			24

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Acc	11 (Elementary Accounting)	6	Eng	14 (Survey of Litt in English)	3
Eng	21 (Speech/Oral Comm)	3	Fil	14 (Pagsulat, Pagbasa Tungo sa Pananaliksik)	3
Fil	13 (Kom sa Akademikong Fil)	3	Hum	12 (Global Culture)	3
Hum	11 (Explrng & Exp the Arts)	3	ITc	20 (Mgt Information System)	3
ITc	29 (Multimedia Development)	3	ITc	22 (Database Management)	3
ITc	57 (Object Oriented Prog)	3	ITc	28 (Operating System)	3
ITc	39 (Comp System Org)	3	ITc	38 (Network Management)	3
PE	21 (Physical Educ)	(2)	ITc	56 (IT Professional Ethics)	3
		24	PE	22 (Physical Educ)	(2)
					24

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Mat	33 (Trigonometry)	3	His	23 (Life & Works of Rizal)	3
Mgt	21 (Organization & Mgt)	3	Mgt	44 (Small Bus Mgt)	3
ITc	21 (Adv Dtbse Mgt System)	3	ITc	32 (Web Based Tech)	3
ITc	55 (Syst Analysis & Design I)	3	ITc	44 (Software Engineering)	3
ITc	63 (Obj Oriented Prog Des & Dev)	3	ITc	46 (Electronic Commerce)	3
ITc	65 (Free Elective 1)	3	ITc	50 (Project Mgt)	3
ITc	67 (Free Elective 1)	3	ITc	59 (IT Project I)	3
		21	ITc	66 (Free Elective 3)	3
					24

		<u>FOURTH YEAR</u>		
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Eng	33 (Into to Litt w/ Phil Litt)	3	ITc 53 (IT On the Job Training)	9
ITc	58 (Tech Entrep & Innov)	3		
ITc	60 (IT Project II)	3		
ITc	64 (Data Security)	3		
		<hr/>		<hr/>
		12		9

TOTAL = 162 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE OF
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (B.S.I.T)**

		<u>Units</u>	<u>Units</u>
1. General Education			60
a. Communication & Literature			
English (11, 12, 14, 21, 33)		15	
Filipino (13, 14)		6	
		<hr/>	
		21	
b. Quantitative Reasoning			
Mathematics (11, 22, 33)		9	
c. Science & Technology			
Natural Science (21, 22)		6	
d. Humanities & Global Culture			
Humanities (11, 12)		6	
e. Social Science Analysis			
History (11, 23)		6	
Economics (11, 12)		6	
Political Science (12)		3	
		<hr/>	
		15	
f. Values Formation			
Freshmen Orientation Seminar (11)		3	
g. Physical Education (11, 12, 21, 22)		(8)	
h. Military Service/Civic Welfare Service (MS 11, 12/CS 11, 12)		(6)	
			99
2. Basic ITE Core Courses			
Computer Science (15, 16)		6	
Information Technology (16, 18, 25, 39, 56)		15	
		<hr/>	
		21	
3. ITE Professional Courses			
a. Information Technology (21, 22, 28, 29, 32, 33, 38, 44, 48, 50, 55, 58, 59, 60)		48	

4. Business Courses		
Accounting (11)	6	
Management (21, 44)	6	
	<hr/>	12
5. ITE Electives		
Information Technology (20, 23, 46, 54)	12	
6. Free Electives	9	
	<hr/>	Total 162

**CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
WITH SPECIALIZATION IN ANIMATION AND GAME DEVELOPMENT**

FIRST YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
AGD 11 (Basic Drawing)	1	AGD 12 (His of Art & Inter Med)	3
AGD 13 (Graphic Design)	2	AGD 14 (Vector Graphics)	2
CSc 15 (Intro to Info Mgt)	3	AGD 16 (Advance Drawing)	1
Eco 11 (Prin of Eco w/ LRT)	3	Eng 12 (Rdng, Wrtg & Resrh Skls)	3
Eng 11 (Intro to College Eng)	3	Hum 11 (Explrg & Exprcng the Arts)	3
FOS 11 (Strat for Acad Suc in Col)	3	ITc 24 (Web Design & Animation)	3
ITc 25 (Intro to Programming)	3	ITc 18 (Advanced Prog)	3
Mat 11 (College Algebra)	3	Mat 22 (Elementary Statistics)	3
Mat 33 (Trigonometry)	3	Mat 32 (Analytic Geometry)	3
NSc 21 (Intro to Physical Sci)	3	NSc 14 (General Physics)	3
PE 11 (Physical Educ)	(2)	PE 12 (Physical Educ)	(2)
	<hr/>		<hr/>
	27		27

SECOND YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
AGD 21 (Obj Orientd Prog for Games)	3	AGD 22 (Dig Narrative & Scripwtnng)	3
AGD 23 (Game Stud, Theo& Methdlogy)	3	AGD 24 (Dig Img & Color Mgt Fund)	3
AGD 31 (Technical Writng for Games)	3	AGD 26 (3D Modeling)	3
AGD 33 (Intro to 3D Animation)	3	Fil 14 (Pagbsa at Pagsulat Tungo sa Pananaliksik)	3
Eng 21 (Speech/Oral Comm)	3	ITc 16 (Discrete Structure)	3
Fil 13 (Kom sa Akademikong Fil)	3	ITc 20 (Mgt Information System)	3
His 11 (Survey of Phil Histort)	3	ITc 22 (Database Management)	3
ITc 29 (Multimedia Development)	3	ITc 28 (Operating System)	3
ITc 39 (Comp System Org)	3	ITc 56 (IT Professional System)	3
NSTP 11 (Natl Serv Trng Program)	(3)	ITc 12 (Natl Serv Trng Program)	(3)
PE 21 (Physical Educ)	(2)	PE 22 (Physical Educ)	(2)
	<hr/>		<hr/>
	27		27

ASSOCIATE IN ANIMATION AND GAME DEVELOPMENT

THIRD YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Acc 11 (Elem Accounting)	6	AGD 32 (Advanced 3D Animation)	3
AGD 35 (Game Design & Prog)	3	AGD 34 (Game Design & Prog 2)	3
AGD 39 (2D Design & Animation)	3	AGD 36 (Game Project I)	3
AGD 41 (Visual Bas & Video Editng)	2	Eng 14 (Surv of Lit in English)	3
AGD 43 (Rendering)	3	ITc 32 (Web Based Tech)	3
His 23 (Life & Works of Rizal)	3	ITc 38 (Network Mgt)	3
ITc 55 (Sys Analysis & Design)	3	ITc 44 (Software Engineering)	3
Mgt 21 (Organization & Mgt)	3	ITc 50 (Project Mgt)	3
		PSc 12 (Phil Govt & Const)	3
	<u>26</u>		<u>27</u>

FOURTH YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
AGD 37 (Game Project II)	3	ITc 53 (IT On the Job Training)	9
AGD 38 (Capstone Project)			
	<u>6</u>		<u>9</u>

TOTAL = 176 UNITS

HRM PROGRAM

The Department is committed to produce highly qualified and competent Hoteliers and Restaurateurs, who are globally competitive and could promote high standards of professionalism, value oriented, knowledge and skills relevant in contributing growth to the hospitality industry.

CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
BACHELOR OF SCIENCE IN HOTEL AND RESTAURANT MANAGEMENT (BSHRM)FIRST YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
CSc 15 (Intro to Information Mgt)	3	Acc 14 (Hospitality Accounting)	3
Eng 11 (Intro to College English)	3	Eng 12 (Rdng, Wrtg & Rsrch Skls)	3
FOS 11 (Strat for Aca Suc in Col)	3	HRM 14 (Prin of Food Sel & Prep)	3
His 17 (Phil History, Govt & Consti)	3	HRM 38 (Housekeeping Procedures)	3
HRM 11 (Intro to Hospitality Mgt)	3	Mat 22 (Elementary Statistics)	3
HRM 21 (Sanitation, Hygiene Environmental Concern)	3	NSc 26 (Environmental Science)	3
Mat 11 (College Algebra)	3	OFM 12 (Personality Development)	3
NSTP 11 (Natl Serv Trng Program)	(3)	NSTP 12 (Natl Serv Trng Program)	(3)
PE 11 (Physical Educ)	(2)	PE 12 (Physical Educ)	(2)
	<u>21</u>		<u>21</u>

SECOND YEAR

First Semester		Units	Second Semester		Units
Eco	11 (Prin of Eco 1 w/ LRT)	3	Eco	12 (Prin of Economics 2)	3
Eng	21 (Speech/Oral Comm)	3	Eng	22 (Business English)	3
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo Sa Pananaliksik)	3
Fin	11 (Basic Finance)	3	HRM	16 (Principles of Tourism 2)	3
HRM	15 (Prin of Tourism 1)	3	HRM	18 (Front Office Procedures)	3
HRM	29 (Food & Beverage Service)	3	HRM	30 (Food & Bev Control System)	3
Mat	23 (Math of Investment)	3	Mgt	26 (Human Behavior in Org)	3
Mgt	21 (Organization & Mgt)	3	Mgt	30 (Mgt Information System)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		<u>24</u>			<u>24</u>

THIRD YEAR

First Semester		Units	Second Semester		Units
His	23 (Rizal Course)	3	HRM	12 (Rooms Division Oper & Mgt)	3
HRM	33 (Bakery Sci w/ Cake Decor)	3	HRM	20 (Western Cuisine)	3
HRM	37 (Bar Op & Mgt)	3	HRM	32 (Tour Planning & Dev)	3
HRM	49 (Hosp Org/Operational Mgt)	3	HRM	34 (Catering & Event Planning)	3
Hum	11 (Exploring & Exp the Arts)	3	HRM	48 (Foreign Language)	3
Mgt	43 (Total Quality Mgt)	3	Psy	12 (General Psychology)	3
Mgt	51 (Entrepreneurial Mgt 1)	3	Soc	22 (Sociology/Anthropology)	3
Mkt	31 (Principles of Marketing)	3			
		<u>27</u>			<u>21</u>

Summer

	Units
HRM 54A (Practicum 1)	3

FOURTH YEAR

First Semester		Units	Second Semester		Units
Eng	33 (Intro to Lit Stud w/ Phil Lit)	3	HRM	54B (Practicum 2)	4
HRM	45 (Asian Cuisine)	3			
HRM	47A (Events Management)	4			
Phi	21 (Logic)	3			
		<u>13</u>			<u>4</u>

TOTAL = 155 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN HOTEL AND RESTAURANT MANAGEMENT (BSHRM)**

	Units	Units
1. General Education		63
a. Humanities Cluster		
English (11, 12, 21, 33)	12	
Filipino (13, 14)	6	
FOS (11)	3	
Humanities (11)	3	

Logic (21)	<u>3</u>	
	27	
b. Mathematics, IT and Natural Science Cluster		
Basic Computer (15)	3	
Mathematics (11, 22, 23)	9	
Safety, Hygiene & Sanitation (21)	3	
Science (26)	<u>3</u>	
	18	
c. Social Science Cluster		
Economics (11, 12)	6	
Philippine History, Government & Constitution (17)	3	
Psychology (12)	3	
Sociology (22)	<u>3</u>	
	15	
d. Mandated Subject		
Rizal (23)	3	
2. Business Core		21
Accounting (14)	3	
Basic Finance (11)	3	
Business Communication (33)	3	
Human Behavior in Organization (26)	3	
Management Information System (30)	3	
Principles of Management (21)	3	
Principles of Marketing (31)	3	
3. Tourism Core		22
Culinary Arts & Sciences (14)	3	
Entrepreneurship & Business Planning (51)	3	
Events Management (47A)	4	
Principles of Tourism 1 & 2 (15, 16)	6	
Total Quality Management (43)	3	
Tourism Planning & Development (32)	3	
4. Specialized Subjects		42
Required major subjects (12, 18, 29, 30, 34, 38)	18	
Free professional subjects (11, 12, 20, 33, 37, 45, 48, 49)	24	
5. Practicum (54A, 54B)	7	
6. Physical Education & Military Service/Civic Welfare Service		
PE (11, 12, 21, 22)	(8)	
(MS 11, 12/CS 11, 12)	(6)	
Total		<u>155</u>

**CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
BACHELOR OF SCIENCE IN HOTEL AND RESTAURANT MANAGEMENT (BSHRM)
Major in Cruise Management**

FIRST YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
CSc	15 (Intro to Information Mgt)	3	Acc	14 (Hospitality Accounting)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Wrtg & Rsrch Skls))	3
FOS	11 (Strat for Aca Suc in Col)	3	HRM	14 (Prin of Food Sel & Prep)	3
His	17 (Phil History, Govt & Consti)	3	HRM	38 (Housekeeping Procedures)	3
HRM	11 (Intro to Hospitality Mgt)	3	Mat	22 (Elementary Statistics)	3
HRM	21 (Sanitation, Hygiene Environmental Concern)	3	NSc	26 (Environmental Science)	3
Mat	11 (College Algebra)	3	OFM	12 (Personality Development)	3
NSTP	11 (Natl Serv Trng Program)	(3)	NSTP	12 (Natl Serv Trng Program))	(3)
PE	11 (Physical Educ)	(2)	PE	12 (Physical Educ)	(2)
		21			21

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Eco 1 w/ LRT)	3	Eco	12 (Prin of Economics 2)	3
Eng	21 (Speech/Oral Comm)	3	Eng	22 (Business English)	3
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo Sa Pananaliksik)	3
Fin	11 (Basic Finance)	3	HRM	16 (Principles of Tourism 2)	3
HRM	15 (Prin of Tourism 1)	3	HRM	18 (Front Office Procedures)	3
HRM	29 (Food & Beverage Service)	3	HRM	30 (Food & Bev Control System)	3
Mat	23 (Math of Investment)	3	Mgt	26 (Human Behavior in Org)	3
Mgt	21 (Organization & Mgt)	3	Mgt	30 (Mgt Information System)	3
PE	21 (Physical Educ)	(2)	PE	22 (Physical Educ)	(2)
		24			24

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
His	23 (Rizal Course)	3	HRM	12 (Rooms Division Oper & Mgt)	3
HRM	33 (Bakery Sci w/ Cake Decor)	3	HRM	20 (Western Cuisine)	3
HRM	37 (Bar Op & Mgt)	3	HRM	32 (Tour Planning & Dev)	3
HRM	49 (Hosp Org/Operational Mgt)	3	HRM	34 (Catering & Event Planning)	3
HRM	51 (Cruise Management 1)	3	HRM	48 (Foreign Language)	3
Hum	11 (Exploring & Exp the Arts)	3	HRM	52 (Cruise Management 2)	3
Mgt	43 (Total Quality Mgt)	3	Psy	12 (General Psychology)	3
Mgt	51 (Entrepreneurial Mgt 1)	3	Soc	22 (Sociology/Anthropology)	3
Mkt	31 (Principles of Marketing)	3			
		27			24

Summer

		<u>Units</u>
HRM	54A (Practicum 1)	3

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eng	33 (Intro to Lit Stud w/ Phil Lit)	3	HRM	54B (Practicum 2)	4
HRM	45 (Asian Cuisine)	3			
HRM	47A (Events Management)	4			
HRM	53 (Cruise Management 3)	3			
Phi	21 (Logic)	3			
		<u>16</u>			<u>4</u>
TOTAL = 164 UNITS					

TOURISM Program

This program combines skill development with relevant management, supervisory and managerial training to produce highly employable and motivated graduates in the tourism industry.

**CURRICULUM REQUIREMENTS BY YEAR FOR THE DEGREE OF
BACHELOR OF SCIENCE IN TOURISM MANAGEMENT (B.S.T.M.)**

FIRST YEAR

<u>FIRST SEMESTER</u>		<u>UNITS</u>	<u>SECOND SEMESTER</u>		<u>UNITS</u>
CSc	15 (Intro to Information Mgt)	3	Acc	14 (Hospitality /Tourism Acc)	3
Eng	11 (Intro to College English)	3	Eng	12 (Rdng, Writing & Rsrch Skills)	3
FOS	11 (Strat for Acad Suc in Col)	3	HRM	14 (Principles of Food Sel & Prep)	3
His	17 (Phil His, Govt & Const)	3	HRM	16 (Principles of Tourism 2)	3
HRM	15 (Principles of Tourism 1)	3	Mat	22 (Elementary Statistics)	3
HRM	21 (Sanitation, Hyg & Env Con)	3	NSc	26 (Environmental Science)	3
Mat	11 (College Algebra)	3	OFM	12 (Personality Development)***	3
NSTP	11 (Natl Serv Trng Program)	(3)	Psy	12 (General Psychology)	3
PE	11 (Physical Education)	(2)	NSTP	12 (Natl Serv Trng Program)	(3)
			PE	12 (Physical Education)	(2)
		<u>21</u>			<u>24</u>

SECOND YEAR

<u>FIRST SEMESTER</u>		<u>UNITS</u>	<u>SECOND SEMESTER</u>		<u>UNITS</u>
Eco	11 (Prin of Eco 1 w/ TLR)	3	Eco	12 (Principles of Economics 2)	3
Eng	21 (Speech & Oral Comm)	3	Eng	22 (Business English)	3
Fin	11 (Basic Finance)	3	HRM	32 (Tour Planning & Dev)	3
His	23 (Life & Works of Rizal)	3	HRM	48 (Foreign Language 1)***	3
Mat	23 (Mathematics of Investment)	3	Mgt	26 (Human Behavior Org)	3
Mkt	31 (Principles of Marketing)	3	Mgt	30 (Mgt Information System)	3
Mgt	21 (Organization & Mgt)	3	Trm	14 (Bus Tourism Laws & Reg)***	3
Trm	11 (Philippine Tourism)**	3	Trm	12 (World Tourism)**	3
PE	21 (Physical Education)	(2)	PE	22 (Physical Education)	(2)
		<u>24</u>			<u>24</u>

THIRD YEAR

FIRST SEMESTER		UNITS	SECOND SEMESTER		UNITS
Fil	13 (Kom sa Akademikong Fil)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Hum	11 (Explrg & Exprcng the Arts)	3	Soc	22 (Sociology / Anthropology)	3
Mgt	43 (Total Quality Managemet)	3	Trm	22 (Ecotourism)**	3
Mgt	51 (Entrepreneurial Mgt 1)	3	Trm	24 (Tourism Resrch Meth & Tech)**	3
Trm	21 (Travel Agency Mgt & Oper)***	3	Trm	26 (Resort Management)***	3
Trm	23 (Tourism Mktg & Sales)**	3			
Trm	25 (Info Tech in Tourism)***	3			
		<u>21</u>			<u>15</u>

FOURTH YEAR

FIRST SEMESTER		UNITS	SECOND SEMESTER		UNITS
Eng	33 (Intro to Lit Stud w/ Phil Lit)	3	Trm	32 (Tour & Travel Practicum)	6
HRM	31 (Tour & Travel Mgt)***	3			
HRM	47B (Events Management)	4			
Phi	21 (Logic)	3			
Trm	33 (Tourism Impacts & Sus)**	3			
Trm	35 (Heritage Tourism)***	3			
		<u>19</u>			<u>6</u>

Legend: ** Required Major subjects
*** Free Professional/Electives

TOTAL = 154 UNITS

**GROUP REQUIREMENTS FOR THE DEGREE
OF BACHELOR OF SCIENCE IN TOURISM (B.S.T.M.)**

	<u>Units</u>	<u>Units</u>
1. General Education		63
a. Humanities Cluster		
English (11, 12, 21, 33)	12	
Filipino (13, 14)	6	
FOS (11)	3	
Humanities (11)	3	
Logic (21)	3	
	<u>27</u>	
b. Mathematics, IT and Natural Science Cluster		
Basic Computer (15)	3	
Mathematics (11, 22, 23)	9	
Safety, Hygiene and Sanitation (21)	3	
Science (26)	3	
	<u>18</u>	
c. Social Science Cluster		
Economics (11, 12)	6	
Philippine History & Government (17)	3	

Psychology (12)	3	
Sociology (22)	3	
	<hr/>	15
d. Mandated Subject Rizal (23)	3	
2. Business Core		21
Accounting (14)	3	
Basic Finance (11)	3	
Business Communication (22)	3	
Human Behavior and Organization (26)	3	
Management Information System (30)	3	
Principles of Management (21)	3	
Principles of Marketing (31)	3	
3. Tourism Core		22
Culinary Arts and Sciences (14)	3	
Entrepreneurship and Business Planning (51)	3	
Events Management (47B)	4	
Principles of Tourism 1 and 2 (15, 16)	6	
Total Quality Management (43)	3	
Tourism Planning and Development (32)	3	
4. Specialized Subjects		42
Free Professional Subjects (12, 14, 21, 25, 26, 31, 35, 48)	24	
Required Major Subjects (11, 12, 22, 23, 24, 33)	18	
5. Practicum (32)		6
6. PE (11, 12, 21, 220)		(8)
7. NSTP (MS/CS 11, 12)		(6)
	<hr/>	
Total		154

NURSING PROGRAM

The JRU College of Nursing aims to develop graduates who will function as beginning nursing professionals, and who commit themselves to the ideals of the nursing profession.

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

FIRST YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
Eng 11 (Intro to College Eng)	3	Eng 12 (Rdng, Wrtg & Rsrh Skls)	3
FOS 11 (Strat for Acad Suc in Col)	3	Mat 26 (Biostatistics)	3
His 17 (Phil His, Gov't & Const)	3	NCM 100A (Fund of Nur Practice)	5
Mat 11 (College Algebra)	3	NSc 13 (Anatomy & Physiology)	5
NSc 15 (General Chemistry)	5	NSc 16 (Biochemistry)	5
Nur 11 (Theoretical Found in Nur)	3	Soc 22 (General Sociology)	3

Psy	11 (General Psychology)	3	PE	12 (Basic Physical Educ)	(2)
PE	11 (Intro to Physical Educ)	(2)	NSTP	12 (Natl Serv Trng Program)	(3)
NSTP	11 (Natl Serv Trng Program)	(3)			
		<u>23</u>			<u>24</u>

<u>Summer</u>		<u>Units</u>
NSc	14 (Physics)	3
Nur	12 (Health Assessment)	3
Phi	21 (Logic)	3
		<u>9</u>

SECOND YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eng	21 (Speech/ Oral Comm)	3	NCM	102A (Care of Moth, Child, Family & Population)	11
His	23 (Life, Works & Wrtgs of Rizal)	3			
Hum	11 (Explrg & Exprng the Arts)	3	Nur	22 (Pharmacology)	3
NCM	101A (Care of Moth. Child & Fam)	8	Nur	24 (Nutrition & Diet Therapy)	4
NSc	35 (Microbiology & Parasitology)	4	Nur	26 (Bioethics)	3
Nur	21 (Community Health Nursing)	5	Phi	36 (Philosophy of Man)	3
PE	21 (Advanced Physical Educ 1)	(2)	PE	22 (Advanced Physical Educ 2)	(2)
		<u>26</u>			<u>24</u>

<u>Summer</u>		<u>Units</u>
Hum	12 (Global Culture)	3
Nur	23 (Nursing Informatics)	3
		<u>6</u>

THIRD YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
Eco	11 (Prin of Economics w/ TLR)	3	Fil	14 (Pagbasa at Pagsulat Tungo sa Pananaliksik)	3
Fil	13 (Kom sa Akademikong Fil)	3			
NCM	103A (Care of Clients w/ Prob in Oxygenation, Fluid & Elec Bal, Metabolism & Endocrine)	14	NCM	104A (Care of Clients w/ Prob in Inflammatory & Immunologic Resp, Perception & Coord)	9
NSc	41 (Strategies of Health Educ)	3	NCM	105A (Care of Clients w/ Mal-adaptive Patterns of Behavior)	6
			Nur	32 (Nursing Research 1)	3
			Nur	34 (Parent Child Nur-Elective 1)	2
		<u>23</u>			<u>23</u>

FOURTH YEAR

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
NCM	106A (Care of Clients w/ Prob in Cellular Aber, Acute Biologic Crisis incl Emer & Dis Nursing)	11	NCM	107B (Nursing Lead & Mgt 2)	3
			Nur	42 (Intensive Clinical Practicum)	8
NCM	107A (Nursing Lead & Mgt 1)	4	Nur	44 (Competency Appraisal 2)	3
Nur	33 (Nursing Research 2)	2			

Nur 41 (Care of Chron Ill & Older Per- Elective 2)	2	
Nur 43 (Competency Appraisal 1)	<u>3</u>	<u>14</u>
	22	

TOTAL = 194 UNITS

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

	<u>Units</u>	<u>Units</u>
1. General Education		76
a. Language		
English (11, 12, 21)	9	
Filipino (13, 14)	6	
FOS 11	<u>3</u>	
	18	
b. Natural Sciences/Mathematics		
Principles of Economics (11)	3	
Natural Science (13, 14, 15, 16, 35, 41)	25	
Mathematics (11, 26)	<u>6</u>	
	34	
c. Social Sciences		
History (17, 23)	6	
Humanities (11, 12)	6	
Philosophy (21, 36)	6	
Psychology (11)	3	
Sociology (22)	<u>3</u>	
	24	
2. Nursing		118
NCM (100A, 101A, 102A, 103A, 104A, 105A, 106A 107A, 107B)	71	
Nur (11, 12, 21, 22, 23, 24, 26, 32, 33, 34, 41, 42, 43, 44)	47	
	<u>118</u>	
Total		194

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, 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 subjects must be consulted for courses to be actually 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 hundreds are primarily for freshmen; those in two hundreds, for sophomores, and so on. The credit for each course is three (3) units unless otherwise indicated.

BUSINESS AND ACCOUNTANCY

DEPARTMENT OF ACCOUNTING AND LAW

ACCOUNTING 11: Elementary Accounting. This course provides an introduction to accounting, within the context of business and business decisions. Students obtain basic understanding of the principles and concepts of accounting as well as their applicability and relevance in the national context and learn how to use various types of accounting information found in financial statements and annual reports. This course starts with an introduction to accounting: definition, functions, scope and objectives, differences among the different branches of accounting, classical notion of stewardship, double-entry bookkeeping and accounting systems, Florentine vs. Venetian approach to reporting, Savory and Napoleonic Commercial Code, Schmalenback and the chart of accounts. The next topic is the accounting cycle-recording, handling, and summarizing accounting data, including the preparation and presentation of financial statements for merchandising and service companies. Emphasis is placed on understanding the

reasons underlying basic accounting concepts and providing students with an adequate background on the recording, classification, and summarization functions of accounting to enable them to appreciate the varied uses of accounting data. *Credit: 6 units.*

ACCOUNTING 12: Intermediate Accounting. This is a continuation of the first course in accounting. It deals with transactions, financial statements, and problems peculiar to the operations of partnerships and corporations as distinguished from sole proprietorships. Topics include: partnership formation and operations including accounting for the admission of partners, changes in capital, and profit- and loss-sharing ratios; the conversion of an unincorporated enterprise into a corporation; accounting for incorporated enterprises, including corporate organizations, paid-in capital, accumulated earnings (loss), dividends and treasury shares. It will also cover the preparation of financial statements for internal and external purposes, accounting information systems manual and computerized special journals; understanding balance sheet, income statement, statement of cash flows and statement of changes in equity; financial statements of companies in the service, manufacturing and trading industries; and analysis of accounting information and decision making. *Credit: 6 units. Prerequisite: Acc 11.*

ACCOUNTING 13: Financial Accounting and Reporting, Part 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 computerized system in receivables, inventory, and lapsing schedules is a requirement in this course. *Credit: 6 units. Prerequisite: Acc 12.*

ACCOUNTING 15: Financial Accounting and Reporting, Part 2. This course is a continuation of Financial Accounting and Reporting, Part 1. It is designed to cover the financial accounting principles relative to recognition, measurement, valuation, and financial statement of presentation of liabilities and

shareholders' equity, including disclosure requirements. The related internal control, ethical issues, and management of liabilities and owner(s)' equity are also covered. It also deals with contemporary issues such as leases, employees' retirement benefits, deferred taxes, and other current related items. *Credit: 6 units. Prerequisite: Acc 12.*

ACCOUNTING 16: Financial Management 1. This course provides the synthesis of financial policy into a grand strategy which integrates organizational purpose and goals. The focus of the course is on current thinking regarding valuation of the firm, investment decision processes, financing, and dividend policy, asset management and financial strategies and portfolio theory. This course also covers the 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 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. *Credit: 3 units. Prerequisite: Acc 13 and Acc 15.*

ACCOUNTING 17: Financial Management 2. 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. *Credit: 3 units. Prerequisite: Acc 16.*

ACCOUNTING 18: 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. *Credit: 3 units. Prerequisite: Acc 12 and Acc 13.*

ACCOUNTING 19: Assurance Principles, Professional Ethics 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. *Credit: 6 units. Prerequisite: Acc 13, Acc 15 and Acc 52.*

ACCOUNTING 20: Management Advisory Services 1. 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 (e.g. responsibility accounting system), evaluating the impact of changes in business structure, functions, and appropriateness of management accounting techniques and methods; basic interpretation and use of financial statements; performance measurement for planning and control such as: marginal, absorption, and opportunity costing; cost behavior; cost-volume-profit relationship; advanced analysis and appraisal of financial and related information; business planning and budgetary systems; standard costing; and variance analysis; quantitative techniques; and methods for planning and control. *Credit: 3 units. Prerequisite: Acc 13 and Acc 15.*

ACCOUNTING 21: Principles of Accounting, Part I. This course includes application of accounting principles in the preparation of financial statements,

detailed study of financial statements, valuation of cash, temporary investments and receivables; cost procedures and special valuation procedures for inventories; other current assets; current liabilities; working capital analysis, accounting for investments in stocks, bonds, funds, and other miscellaneous items. *Credit: 6 units. Prerequisite: Acc 12.*

ACCOUNTING 22: Principles of Accounting, Part II. This is a continuation of Accounting 21 and it deals with the application of accounting principles in the preparation of financial statements; acquisition, use and retirement of plant assets; depreciation and depletion; revaluation programs of plant and equipment; valuation of intangible assets; accounting for long-term debts; accounting for paid-in capital arising from changes subsequent to formation; retained earnings and earnings distribution; preparation of the retained earnings statement; equity/debt ratio analysis. *Credit: 6 units. Prerequisite: Acc 21.*

ACCOUNTING 29: Management Advisory Services 2. This is the second part of Management Accounting and deals with the application of techniques and concepts focusing on segment reporting, profitability analysis, and decentralization; information for decision-making purposes (short-term and long term) and non-financial indicators such as productivity per employee or per service unit; decision making affecting short-run operations of the company, capital budgeting decisions; pricing of goods and services; and environmental cost accounting. *Credit: 3 units. Prerequisite: Acc 20.*

ACCOUNTING 30: Cost Accounting and Cost Management. This course is designed to orient the students to the cost accounting and cost management framework of business. Topics discussed are: 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 environment on costs. *Credit: 6 units. Prerequisite: Acc 13 and Acc 15.*

Accounting 33: Accounting Problems and Cases, Part I. This course involves discussion and solution of problems relating to partnership liquidation by installment, installment sales, consignments, troubled-debt restructuring, and commercial franchise operations. *Credit: 3 units. Prerequisite: Acc 15 and Acc 22.*

ACCOUNTING 35: Tax Accounting I. This course is an in-depth study of income taxation and provides a reliable foundation on the core areas of tax that are likely to be encountered during the initial phase of a CPA's tax experience in the professional practice.

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 tax, the normal tax, and the improperly accumulated profits tax of corporations. Tax forms are provided for specific topics discussed. *Credit: 3 units. Prerequisite: Acc 12, Acc 21 and Acc 22.*

ACCOUNTING 36: Managerial Accounting. This course is focused on the use of accounting data to guide management in planning and controlling business operations and in decision-making. *Credit: 3 units. Prerequisite: Acc 22 and Acc 30.*

ACCOUNTING 40: Applied Auditing. 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. *Credit: 6 units. Prerequisite: Acc 19.*

ACCOUNTING 41: Computer Accounting. This course deals with the nature, characteristic and need for computerized accounting. It covers discussions about computerized accounting principles, components of a computerized accounting system and the review of the manual accounting system. The course also deals with transaction processing and decision support system, and provides a hands-on approach to learn how modern computerized integrated accounting system function. *Credit: 3 units. Prerequisite: Acc 12 Acc 21 and Acc 22.*

ACCOUNTING 45: Business and Transfer Taxes. This course involves an intensive study of the business and transfer tax system, including the estate tax, the 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. *Credit: 3 units. Prerequisite: Acc 18.*

ACCOUNTING 52: Financial Accounting and Reporting Part III. This course is the culmination of the Financial Accounting cluster. It deals with the preparation of a property 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 reconstruction of accounts from incomplete records, change from cash basis to 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. The students will also be exposed to the financial statements of specialized industries. *Credit: 3 units. Prerequisite: Acc 13 and Acc 15.*

ACCOUNTING 53: Thesis with Synthesis. This course is a capstone course where students are required to use 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 of current issued in accounting and finance using various online database. The students learn applied research for solving complex accounting and reporting issues including both financial and tax accounting cases. Formal defense of results of research is required.

Accounting Synthesis is a one unit course that provides an integrating framework and experiences for understanding the roles of accountants, their functions, and how they fit within the context of business and the larger environment. Students will acquire knowledge and develop the skills necessary to be effective in organizations and to learn general principles associated with their profession as accountants. A paper integrating the concepts taught in all courses is required. Students exhibit knowledge of these concepts by making an informed decision on a current accounting/financial issue. The course is designed to cultivate students' ability to make strategic decisions logically based on learning experiences, training, and hours worked. Reports should include comments on areas such as human relations aspects of their work, including leadership and management skills; importance and emphasis on teamwork as opposed to individual work, technical, intellectual, physical, and social challenges; work schedule; and how the B.S. Accountancy Program course work prepared for internship. The report should also cover the following: (a) description of key tasks and responsibilities performed during their internship, including their assessment of the most valuable things you learned; (b) evaluation of the training and overall learning environment provided by their employer; (c) evaluation of their internship experience and how it has impacted their career goals; (d) how well the Accountancy Program prepared them for the internship including a description of

how their formal education and work experience interrelate; (e) recommendations for improvement of their specific internship position and the Accountancy Internship Course in general; and (f) total number of hours worked during internship. *Credit: 4 units. Prerequisite: Completion of at least 80% of courses in the entire curriculum.*

ACCOUNTING 55: Management Advisory Services 3. This course covers basic considerations of management consultancy engagements by CPAs; areas of management consultancy, professional attributes of management standards, and ethical considerations. It also covers project feasibility-aspects of projects development cycle, economic aspect, technical aspect, financial aspect (investment cost, financing, evaluation); information system (IS) engagement, management/operations audits, and business process improvement/reengineering. Together Business Policy and Strategy, this course serves as integrative course to be taken in the last term/semester. *Credit: 3 units. Prerequisite: Acc 20 and Acc 29.*

ACCOUNTING 60: Advanced Financial Accounting and Reporting. 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. *Credit: 6 units. Prerequisite: Acc 13, Acc 15 and Acc 52.*

ACCOUNTING 61: Accounting for Government, Not-for-Profit Entities and Specialized Industries. This course is the last part of the advanced financial accounting and reporting for government and not-for-profit organizations such as universities, NGOs and hospitals accounting and specialized industries like banking, insurance and extractive industries. A large part of the course is concentrated on the New Government Accounting System (NGAS) prescribed by the Commission on Audit. *Credit: 3 units. Prerequisite: Acc 60.*

ACCOUNTING 62: Accounting Information Systems. 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 do to rapidly changing technologies and security risk. 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 to gain hand-on experience with a commercial accounting software package. *Credit: 3 units. Prerequisite: Acc 29.*

ACCOUNTING 63: Auditing in a 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. *Credit: __ units. Prerequisite: Acc 19, Acc 62.*

ACCOUNTING 64: Integrated Accounting Course on Business Law and Taxation. *Prerequisite: Acc 71, Law 23, Law 24, Law 25 and Law 26.*

ACCOUNTING 65: Integrated Accounting Course on Management Services. *Prerequisite: Acc 16, Acc 17, Acc 20, Acc 29, Acc 55 and Acc 72.*

ACCOUNTING 66: Integrated Accounting Course on Auditing Theory. *Prerequisite: Acc 19 and Acc 63.*

ACCOUNTING 67: Integrated Accounting Course on Auditing Problems. *Prerequisite: Acc 40 and Acc 52.*

ACCOUNTING 68: Integrated Accounting Course on Practical 1. *Prerequisite: Acc 13, Acc 15, Acc 52 and Acc 70.*

ACCOUNTING 69: Integrated Accounting Course on Practical 2. *Prerequisite: Acc 30, Acc 60 and Acc 61.*

ACCOUNTING 70: Integrated Accounting Course on Financial Accounting and Reporting. Financial Accounting and Reporting I, II, and III. *Credit: 3 units. Prerequisite: Acc 13, Acc 15 and Acc 52.*

ACCOUNTING 71: Integrated Course on Business Law and Taxation. Law on Obligation and Contracts, Partnership and Corporation. *Credit: 3 units. Prerequisite: Acc 18, Law 23 and Law 24.*

ACCOUNTING 72: Integrated Accounting Course on Cost Accounting and Management Advisory Services I. Cost Accounting and Management and Management Advisory Services. *Credit: 3 units. Prerequisite: Acc 20 and Acc 30.*

ACCOUNTING 73: Integrated Accounting Course on Theory of Accounts.
Prerequisite: Acc 13, Acc 15, Acc 52, Acc 60 and Acc 61.

LAW 21: Integrated Business Law, Part I. This course covers a brief introduction to business law followed by a study of the basic principles of law affecting business transactions, including obligations, contracts, sales, agency, and credit transactions, such as loans, deposits, pledge, mortgage, antichresis, guaranty and lease. *Credit: 3 units.*

LAW 22: Integrated Business Law, Part II. This course stresses the law on negotiable instruments and business associations including a study of merchants and the use of business names, partnerships, corporations, cooperatives, and the various forms of banking institutions including commercial, development, and central banking. *Credit: 3 units. Prerequisite: Law 21.*

LAW 23: Law on Obligations and Contracts. This course gives the student an understanding of the legal concepts and rules governing the law of obligations and contracts and application of these concepts to practical problems. It involves a discussion of the nature, sources, kinds, and extinguishments of contracts including defective contracts and other miscellaneous topics relevant to the course. Topics include: the nature of law, source of law and the role of law in society; structure of the Philippine legal system; general legal concepts of enforceable rights and obligations; types of laws and the national legal system; nature, purpose, scope, and key principles of national legislation; sources of obligations; kinds of obligations under the Civil Code; specific circumstances affecting obligations in general (fortuitous events, fraud, negligence, delay, and breach of contract); duties of obligor to do or not to do; extinguishments of obligations; general principles of the law of contracts; elements and stages of contracts; freedom from contract and limitation; object of contracts; considerations of contracts; formalities; interpretations and reformations of contracts; and defective contracts (rescissible, voidable, unenforceable, and void). *Credit: 3 units.*

LAW 24: Law on Business Organizations. This course is intended to give the students a broad knowledge of legal provisions governing business associations – limited liability company, partnership, and corporations. Topics include: nature of partnerships; elements and kinds of partnership; formalities required; rules of management, distribution of profits, and sharing of losses and liabilities; modes of dissolution; limited partnership; nature and classes of corporation; requirements for incorporation; powers of a corporation (expressed, implied, and incidental); Board of Directors; classes of stock; powers and obligations of stockholders;

majority and minority controls; corporate reorganization (mergers, consolidations, and other business combinations); modes of dissolution; and statutory books, records, and returns required for a corporation. Also discussed are the laws of associations such as clubs. *Credit: 3 units. Prerequisite: Law 23.*

LAW 31: Integrated Business Law, Part III. This course includes the law on insurance, common carriers, insolvency, trademarks, trade-names, copyrights, patents, monopolies, combinations in restraint of trade, and other special laws affecting business. Also covered are the constitutional provisions on social justice and the law and jurisprudence on labor, social legislation, and land reform. *Credit: 3 units. Prerequisite: Law 22.*

LAW 32: Integrated Business Law, Part IV. This is a study of the general principles of taxation, concept and general principles of transfer taxes (estate and donor taxes), income taxation, value added tax, proceedings under the Tariff and Customs Code and Tax Administration. *Credit: 3 units. Prerequisite: Law 31.*

Law 33: Business Law Overview. This course deals with an overview of business transactions, business associations, the law on obligations and contracts and negotiable instruments as they relate to accounting and auditing situations. *Credit: 3 units. Prerequisites: Law 21 and Law 22.*

LAW 35: Sales, Agency, Labor and Other Commercial Laws. This course deals with the law on sales covering contracts for the sale of goods including nature, forms, and requisites, distinguished from *dacion en pago*, 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 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 of the principal; and modes of extinguishments. Also discussed are employment contracts and pertinent provisions of the Labor Code and the law on credit transactions such as loan, deposit, guarantee, pledge, real mortgage, antichresis, and chattel mortgage. Other relevant laws on commerce and trade such as labor and employment laws that govern the rights of employers and employees in the workplace and gives an overview of the following relevant commercial laws: Omnibus Investment Code, Foreign Investment Act, and Retail Trade Liberalization Law. *Credit: 3 units. Prerequisite: Law 24.*

LAW 36: Law on Negotiable Instruments. This course deals with the provisions of the law on negotiable instruments. It includes discussion on topics on negotiability of the instruments; functions and kinds of negotiable instrument; construction of ambiguous instrument; forgery and its effect; consideration;

accommodation party; manner and consequence of transfer of instruments; striking out endorsements; requisites of holder in due course; defense of the parties; discharge of negotiable instruments and the parties secondarily liable; liabilities of the parties; effects of alteration; and other kinds of instruments such as promissory notes and bills of exchange. Some of the major themes that will be explored in class include the process of negotiation and collecting (i.e., paying and getting paid); loss allocation (who pays when there is a problem), and emerging payment systems using new technology and the Internet (credit and debit card systems).
Credit: 3 units. Prerequisite: Law 35.

DEPARTMENT OF ECONOMICS AND FINANCE

The satisfactory completion, in proper sequence of Economics 11 and 12, is required before any other economics subjects may be taken.

ECONOMICS 11: Principles of Economics, Part I (with Tax and Land Reform). Part I of the introductory course in economics includes an introduction to basic economics concepts, economics systems, and elementary microeconomics. The course includes a discussion of cooperatives in the Philippines, taxation, land reform, consumer education, and the buy- Filipino movement. This course is in accordance with the AACSB International Standards, and it will be partially delivered using MyEconLab®- an innovative online course solution. *Credit: 3 units.*

ECONOMICS 12: Principles of Economics, Part II. Part II of the introductory course in economics covers a macroeconomic survey of growth theory, money and credit, public finance, international trade and other areas of economic activity. This course is based on AACSB International Standards, and it will be partially delivered Online using MyEconLab®e-Learning system. *Credit: 3 units. Prerequisite: Eco 11.*

ECONOMICS 21: Economic Theory. The course covers two parts. The first part is an examination of price theory and the theory of the firm, while the second part covers income, employment and growth theory. *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 22: International Economics. This course covers a discussion of the theory of international trade, international disequilibrium, the payment process, trade barriers and international cooperation (with special reference to the Philippine situation). This course is partially delivered using MyEconLab®online course solution. *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 23: Contemporary National Development (Formerly Philippine Economic Development). (formerly as Economics 26).
Credit: 3 units. Prerequisite: Eco 12.

ECONOMICS 24: Survey of Economic/Political History. The course includes a survey of economic history in general, followed by an examination of Philippine economic history (with emphasis on the inter-relationships between economic activity and political development). *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 25: Microeconomic Theory. This course provides an intermediate level discussion of the fundamental concepts and theories of microeconomics. It covers theories of consumer behavior, demand, production, costs, the firm in various market contexts, factor employment, factor incomes, elementary general equilibrium, and welfare. This course is partially delivered Online using MyEconLab®e-Learning solution. *Credit: 3 units. Prerequisite: Eco 11.*

ECONOMICS 26: Economic Development. This is a study of the various theories of growth, characteristics of underdeveloped economies, policies for economic development, and the role of planning in the Philippine context. The course includes such diverse social problems and conditions as land reform, family planning, and drug addiction. *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 27: Math for Economists. This course prepares the economic students for understanding the use of mathematics in economics and econometrics. It gives students the mathematical tools they need to comprehend and work with economic concepts at the basic level. The covered topics are mathematical functions, differentiation, higher order, integration and matrix algebra. It focuses on the mathematics of optimization, static analysis and comparative static analysis, and how economic researches use these mathematical concepts to sharpen their understanding of economic phenomenon. *Credit: 3 units. Prerequisite: Eco 12, Mat 16 and Mat 22.*

ECONOMICS 28: Principles of Econometrics. This course covers the mechanics of econometrics to modern applications of econometrics by employing a systematic approach motivated by the major problems facing applied researchers today. The course offers a combination of econometric theory and hands-on practical training for undergraduate students. The course uses logical step-by-step approach through real-world examples of model specification, estimation, and hypothesis testing. Background information on mathematics, statistics, and software application shall be discussed. *Credit: 3 units. Prerequisite: Eco 27.*

ECONOMICS 31: Business and Government. This course deals with a survey of the ever-increasing relationship between private business operations and government policies and regulations in the Philippines, covering both aggregate and sectoral government policies. *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 32: Public Finance and Fiscal Policy. This course covers a study of the effects of government expenditure, borrowing and taxation upon resource allocation, national income and employment, prices and income distribution. *Credit: 3 units. Prerequisite: Eco 21.*

ECONOMICS 33: Monetary Theory and Policy. This course deals with the nature and role of money; banks and other financial intermediaries; central banking and banking regulations; open economy issues; efficient-markets theory. This course is partially delivered Online using MyEconLab®e-Learning system. *Credit: 3 units. Prerequisite: Eco 21.*

ECONOMICS 34: Economic Analysis. The course includes National Income accounting, the determination of National Income, the theory of demand, the determination of price through the interaction of supply and demand, market structure and price determination, analysis of costs and supply and the pricing of the factors of production. *Credit: 3 units. Prerequisite: Eco 21.*

ECONOMICS 35: Economic Research (formerly as Economics 44). *Credit: 3 units. Prerequisite: Eco34.*

ECONOMICS 36: History of Economic Thought. This emphasizes the evolutionary development of economic thought from the Medieval Period to the present day, origins and development of classical economics. This course is also a critical of the various schools of economic thought such as: classicism, subjectivism, Historical School, Neo-classical economics, institutionalism and imperfect competition theories. *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 37: Managerial Economics. This course is an integration of elementary economic analysis and practical business policy formulation from the standpoint of the firm. The emphasis is on concepts rather than on techniques, and elementary methods of econometrics and market research are introduced. *Credit: 3 units. Prerequisite: Eco 25.*

ECONOMICS 38: Economic Policy. This course deals with theories and methods of making better economic policy decisions. For instance, what areas of the economy should be left to the private sector, and which should be under government control? How can government best help the economy develop? Such theories will be useful for careers in government, private research organizations, universities and colleges and non-profit organizations. *Credit: 3 units. Prerequisite: Eco 21.*

ECONOMICS 41: Globalization and Growth. This course is an introduction to the world economy and to the theory and practice of globalization. It provides students an economic framework and some models to analyze and understand some issues on globalization. Topics include international

trade, foreign direct investment, multinational enterprises, exchange rates, WTO, IMF and the World Bank. There are regional case studies on the Asian economies. *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 42: Economics of E-commerce. This course examines how economics can be applied to the area of electronic commerce and how the e-commerce revolution affects the economy. It provides an economic analysis of e-commerce and the Internet. The course shall examine the microeconomic structure, competitive strategy and efficiency, as well as social and legal implications of the e-commerce revolution. It covers various relevant applications of electronic commerce to various fields of economics: industrial organization, public economics, money, banking, and financial economics, international economics, and macroeconomics. The course gives balanced examinations of how basic economic principles continue to apply to the electronic marketplace. *Credit: 3 units. Prerequisite: Eco 12.*

ECONOMICS 43: Macroeconomics Theory. The 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 government in influencing these aggregate variables shall be discussed. It will also cover important theoretical underpinnings behind different paradigms in macroeconomics as in Keynesian and classical models. Discussion of theories will be related to recent development in the economy, which have important policy implications. This course is partially delivered Online using MyEconLab® e-Learning system. *Credit: 3 units. Prerequisite: Eco 25.*

ECONOMICS 45: Economic 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 analyses. Such techniques will be useful for careers in teaching, private sector research (as with Financial Intermediaries), or the government (in determining economic policy). *Credit: 3 units. Prerequisite: Eco 28.*

ECONOMICS 46: Economic Research II. 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. *Credit: 3 units. Prerequisite: Eco 45.*

ECONOMICS 48: Practicum. The course is an On-the-Job (apprenticeship) approach to learning, covering nine (9) hours of in-campus classroom orientation preparatory to work assignment in an office, involving 50 days of four

(4) hours each, which offers an opportunity for the student to practice the applications of Economics. *Credit: 6 units. Prerequisite: Eco 37.*

FINANCE 11: Basic Finance (formerly Finance 21). This course is an introduction to financial management. Part I. The course offers a unique balance of clear concepts, contemporary theory and practical applications. It introduces students to the key financial management topics. Specifically, the course includes a discussion of firms and the financial market, financial statements, taxes, and cash flows, financial analysis, time value of money – multiple cash flows and annuities, risk and return - capital market theory, debt valuation and interest rates, and stock valuation. This course is designed to meet the AACSB International Standards. *Credit: 3 units. Prerequisite: Acc. 12.*

FINANCE 25: Business Finance (formerly Finance 22). Part II of an introductory course in financial management covers capital budgeting, capital structure and dividend policy, and liquidity management. Special topics in finance such as international finance and corporate risk 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. This course is based on the AACSB International Standards. *Credit: 3 units. Prerequisite: Fin. 11 and Acc. 12.*

FINANCE 31: Corporate Finance. This course is a study of the financial function in general, focusing on the corporate set-up. It stresses the management approach as applied to assets management and capital structure. The fundamental concepts and tools of business finance are discussed, as well as the methods of financing, expansion and reorganization. A discussion of financial statements is made which establishes their usefulness for managerial finance in corporations. *Credit: 3 units. Prerequisite: Fin 32.*

FINANCE 32: Principles of Investments. This course helps students make informed investment decisions in their personal and professional lives by providing a solid foundation of core concepts and tools. The course presents applied theory alongside real-world examples; it provides a survey of the important areas of investments: valuation, the marketplace, fixed income instruments and markets, equity instruments and markets, derivative instruments, and a cross-section of special topics, such as international markets and mutual funds. *Credit: 3 units. Prerequisite: Fin 25.*

FINANCE 35: Monetary and Fiscal Policy (same as Economics 33). *Credit: 3 units. Prerequisite: Fin 11.*

FINANCE 37: Credit and Collection. The course covers techniques of establishing the credit, obtaining and checking information, servicing loan,

billing and collecting the amount due. After completing this course, the student should have a working knowledge of collection policies and procedures; principles of credit evaluation; direct lending, leasing of consumer goods; legal aspects of installment credit; organizing and managing an installment loan department. *Credit: 3 units. Prerequisite: Fin 11.*

FINANCE 38: Global Finance with Electronic Banking. 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; foreign exchange 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. *Credit: 3 units. Prerequisite: Fin 25, Fin 35 and Fin 37.*

FINANCE 39: Portfolio Management. This course combines solid theory with practical application. It combines investment instruments and capital markets with theoretical detail on evaluating investments and opportunities to satisfy risk-return objectives. It also emphasizes how investment practice and theory are influenced by globalization. It also provides a study of the fundamental theories of optimal portfolio selection, investment evaluation, securities valuations, industry and company analysis in relation to stock market operations; management of fixed income investments, and international portfolio diversification. *Credit: 3 units. Prerequisite: Fin 32.*

FINANCE 41: Financial Research 1 (same as Economics 45). *Credit: 3 units. Prerequisite: Fin 32 and Fin 38.*

FINANCE 44: Practicum (same as Economics 48). *Credit: 6 units. Prerequisite: Fin 35 and Fin 39.*

FINANCE 45: Cooperative Management. This course outlines the process of organizing and financing the cooperative business. It studies the most important elements to consider when forming a cooperative, what special expertise is necessary, and where to look for help. This subject emphasizes working with groups of producers to develop markets and sources of supply. It has been broadened to include non-farm cooperative applications. Cooperatives have been successful in agriculture and have been useful in helping others obtain desired benefits or provide needed services in such areas as housing, utilities, finance, health care, child care, and support of small business. *Credit: 3 units. Prerequisite: Fin 11.*

FINANCE 46: Financial Research 2 (same as Economics 46). *Credit: 3 units.*
Prerequisite: Fin 41.

FINANCE 48: Capital Market Management. This course offers a comprehensive exploration of the revolutionary developments occurring in the world's financial markets and institutions –i.e., innovation, globalization, and deregulation—with a focus on the actual practices of financial institutions, investors, and financial instruments. The course introduces students to a wide range of instruments for financing, investing, and controlling risk available in today's financial markets. This course focuses on derivatives markets, the equity markets, interest determination and bond valuation, debt markets, and foreign exchange markets. *Credit: 3 units. Prerequisite: Fin 39.*

DEPARTMENT OF MANAGEMENT, MARKETING AND OFFICE MANAGEMENT

MANAGEMENT 11 (old Mgt 14): Public Relations (formerly Personality Development and Human Relations). The course aims to give the student information, knowledge and appreciation of the traits and dynamic theories of personality --- intellectual, emotional, physical, social and values --- and to train them how to get along well with others. The topics include the importance and dimensions of personality, health, speech and conversation, posture, good grooming, correct manners and office etiquette, intelligent behavior, motives and emotions, emotional adjustments, interests and values system. *Credit: 3 units.*

MANAGEMENT 21: Organization and Management. The course will emphasize comprehensive study of Management functions, theories, and practices relating to business organizations; and how the concepts of organizations were developed and changed globally. *Credit: 3 units. Prerequisite for the subsequent management subjects.*

MANAGEMENT 24: Principles of Business Administration. The student is given an overview of principles and practices in general management including the functional fields of business, that is, personnel relations, finance, production and marketing. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 25: Office Management. This course deals with the study of office organization, direction and control. The physical factors that affect the efficient operation of an office as a result of the growth of the business organization such as mechanization of work, standardization of equipment, introduction of computers, are discussed. The study includes office personnel problems, routines, flow of work and office services. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 26: 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. A management approaches that studies and identifies management activities that promote employee effectiveness by examining the complex and dynamic nature of individual, group, and organizational processes. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 28: 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. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 30: Management of Information and Systems. The aim of this course is to cover different terms and styles of communication being used in business dealings and transactions. Preparation of memoranda, proposals, business reports, minutes of the meetings, executive summaries and briefs. This will also discuss the use of modern Information & Communication Technology (ICT) tools being used in the industry during presentation of reports and dissemination of correspondences. This will also cover office procedures, equipments, and systems. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 31: Principles of Marketing. The course examines contemporary marketing from a managerial perspective. It emphasizes the design of marketing programs given the consideration of such background variables as customer behavior, the social and cultural environment, the economic environment, market segmentation, the nature of demand, and industry structure. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 32: Production and Operation 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, 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. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 33: Contingency and Change Management. 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 & 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 organizations objectives. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 34: Retail Merchandising. This course deals with the principles of retail merchandising and the problems that confront the buyer and merchandise manager. Emphasis is given to such aspects as the stimulation of customer demands, coordination with the production, advertising and sales departments, merchandising policies and retail control. *Credit: 3 units.*

MANAGEMENT 35: Principles of Salesmanship. This is an introductory course in salesmanship where the principles of the merchandising business are presented in a general nature. The student is acquainted with the fundamentals and modern concepts of direct selling emphasizing service to the customer. *Credit: 3 units.*

MANAGEMENT 36: 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. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 37: Principles of Advertising. An intensive study of advertising from a managerial perspective. Critical analysis of specific advertising campaigns and the societal implications of advertising are considered. *Credit: 3 units.*

MANAGEMENT 39: 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 minimizes its negative effects. The course is also intended to inculcate 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. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 40: Environment and Business. The course is a thorough review of national and local policies on environmental and natural resource 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. *Credit: 3 units.*

MANAGEMENT 41: Global Business Management. The students will capulate their knowledge through material knowledge of international trade & its management, on this course. International trade policies, restrictions, agreements, counter trade, tariffs, foreign exchange and the balance of payments will be the subject topics. The course equips our students with fundamental knowledge to trade among nations in global-based approach. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 42: Labor Relations. This course deals with the study of labor problems and collective bargaining and the political, social, and economic implications of the labor movement in the Philippines. The course also includes an analytical review of American procedures and practices for comparison with local relations. *Credit: 3 units. Prerequisite: Mgt 21 and 28.*

MANAGEMENT 43: Total Quality Management. The course aims to render teachings on the philosophy of management driven by continual improvement and responding to customer needs and expectation. 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. *Credit: 3 units. Prerequisite: Management 21.*

MANAGEMENT 44: Small Business Management (formerly Retail Store Management) (formerly as Management 51).

MANAGEMENT 45: Strategic Management and Business Policy. Designated as the culmination course in the student's business education, the course seeks to develop the ability to analyze top-level business problems from the vantage point of business executives working together as a team. Course methodology integrates all business disciplines and explores cases and issues that require the utilization of what the student has learned. The philosophy on the self as the primary instrument and a key success factor in effectively performing strategic managerial work will be the cornerstone of this course. Various self-assessment tools and instrumentation will be utilized to enhance self-understanding/processing. Theoretical understanding on strategic planning and policy formulation, as an integrated move in resolving various issues of business operations will be discussed to formulate long-term direction. *Credit: 3 units. Prerequisite for the fourth year management major students.*

MANAGEMENT 46: Business Policy. Designated as the culmination course in the student's business education, the course seeks to develop the ability to analyze top-level business problems from the vantage point of business executives working together as a team. Course methodology integrates all business disciplines

and explores cases and issues that require the utilization and application of what the student has learned. *Credit: 3 units. Prerequisite: Mgt 21. Prerequisite for the fourth year management major students.*

MANAGEMENT 48: Practicum. The course is designed for students who are on their senior year in college. Students are assigned in different institutions/establishments/companies or the like to accumulate required number of hours of actual practice. The program aims to familiarize students with the business environment, gain insights and experiences on actual job, integrate the theories/principles and concepts learned with actualities in the business world. *Credit: 6 units. Prerequisite for the graduating students only.*

MANAGEMENT 49: Corporate 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. *Credit: 3 units. Prerequisite for the fourth year management students only.*

MANAGEMENT 50: Corporate Research 2. As a sequel to the Corporate Research course, the students are expected to come-up with a scholarly research endeavor. *Credit: 3 units. Prerequisite: Mgt 49.*

MANAGEMENT 51: Entrepreneurial Management 1. The course aims to teach the approach entrepreneurs use in identifying 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. *Credit: 3 units. Prerequisite: Mgt 21.*

MANAGEMENT 52: Entrepreneurial Management 2. The course aims to teach the application of what the student has learned from Entrepreneurial Management 1. Entrepreneurial Business Plan shall be the focus and its realization. The students are expected to harness their developed skills through actual practice and venture. The program aims to familiarize students with the Entrepreneurial business environment, gain insights and experiences on actual venture, integrate the theories/principles and concepts learned with actualities in the entrepreneurial world. *Credit: 3 units. Prerequisite: Mgt 21 and 51.*

MANAGEMENT 54: Service Culture. The course builds the student's personal and social competencies (values and attitudes) necessary to executing and delivering excellent service in any professional endeavor. It introduces student to various service companies and industries and key concepts in being a customer-centric organization. It enables students to practice practical customer service skills and manage a project. *Credit: 3 units. Prerequisite: Eng 53.*

MANAGEMENT 55: Principles of System Thinking. The course aims to prepare the student for the 21st century workplace by building their foundations in systems thinking, enabling them to examine business systems, identify the interdependencies of specific systems within an organization, and recommend suggestions to improve systems performance within organizations. It introduces students to concepts in systems architecture and systems optimization, with the intent of developing the students' analytical skills in identifying and resolving issues in business systems. *Credit: 3 units. Prerequisite: Eng 53 and Mgt 54.*

MANAGEMENT 57: Fundamentals of Business Process Outsourcing 101. The course provides students with an overview of the outsourcing industry, including the rationale for outsourcing, critical factors which affect different outsourcing industries, and the processes involved in engaging in, operating and maintaining an outsourced service. The course also introduces different tools and methodologies used in outsourcing operations and provide the students with opportunities to apply these tools in simulations at a computer laboratory or "Game Lab." The course enables students to recognize and assess how changes in technology, regulation, and business environments may affect current industries. It also increases the students' awareness of the different processes critical to maintaining outsourcing engagements such as maintaining client relationships in context of a service culture, and the effective management of costs and resources. *Credit: 3 units. Prerequisite: Eng 53 and Mgt 54.*

MANAGEMENT 58: Fundamentals of Business Process Outsourcing 102. The course provides an introduction to fundamentals business process outsourcing concepts via an understanding of the techniques for using business practices and methods to create and improve business processes. The foundational study of business processes provide a basis by which performance improvements are identified and implemented across business organizations. Business process outsourcing is introduced as a natural evolution of business process management. The student is exposed to a set of qualitative and quantitative topics aimed to enhance process-oriented thinking, in order to develop the knowledge and skills necessary to appreciate and implemented programs of process reengineering, management, and excellence in organizations. *Credit: 3 units. Prerequisite: Mgt 57.*

MANAGEMENT 59: Internship 1 (BPO). Internship engages students in their last year of study in real industry practices that will prepare them for their eventual jobs and careers in their chosen fields of expertise. Students are required to work-full time for an industry partner. *Credit: 3 units. Prerequisite: Eng 53 and Mgt 55.*

MANAGEMENT 60: Internship 2 (BPO) (continuation of Management 59). *Prerequisites: Mgt 60.*

MANAGEMENT 211: Introduction to Supply Chain Management. The course aims to define the various functions of supply chain management. The discussion will cover what supply chain is, the goals of 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. *Credit: 3 units.*

MANAGEMENT 212: Inventory Management and Demand Forecasting. This subject will provide the students with a basic understanding of inventory management and demand forecasting, its importance in the supply chain and the financial impact in 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. *Credit: 3 units.*

MANAGEMENT 213: Fundamentals of Purchasing. This course will cover 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. *Credit: 3 units.*

MANAGEMENT 214: Negotiation in Supply Management. Negotiation is a key competency requirement for the supply management practitioner. The course will teach the student on how to prepare for, and conduct, a 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. Subjects 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. *Credit: 3 units.*

MANAGEMENT 215: 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, introduction of warehousing, materials handling, record keeping and communication as well as performance measurement. It will also provide basic understanding on the various modes of transportation and basic considerations in selecting the appropriate mode of transportation for distribution. *Credit: 3 units.*

MANAGEMENT 216: Fundamentals of Warehousing. The subject will cover the various aspects of warehouse operations to include warehousing systems, record keeping and stock control. The subject aims to provide students with knowledge on stock control, safety and security in the warehouse. *Credit: 3 units. Prerequisite: Mgt 215.*

MANAGEMENT 311: Storage Systems and Materials Handling. This is a laboratory subject 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 actual experience in handling stocks in the warehouse. The course includes materials handling operations techniques as well as safety issues. *Credit: 3 units (2 units lecture + 1 unit lab). Prerequisite: Mgt 216.*

MANAGEMENT 312: Legal Aspects of Purchasing and Distribution, Ethics and Contract. Subject outlines 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 inco terms, 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 subject 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. *Credit: 3 units. Prerequisite: Law 21.*

MANAGEMENT 313: Procurement and Sourcing Strategies including Global Sourcing. Types of sourcing strategies will be discussed in this subject to include 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 subject 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 related 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. *Credit: 3 units.*

MANAGEMENT 314: Customer Service Priorities and Strategies. The course will help the students in setting customer service priorities and service standards. The subject will also show how customer service can contribute to the over-all business as well as understand how to establish customer service strategies. *Credit: 3 units. Prerequisite: Mgt 215.*

MANAGEMENT 315: 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. *Credit: 3 units.*

MANAGEMENT 316: Warehouse Operations. Complete 104 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. Prerequisites: Mgt 216 and 311.*

MANAGEMENT 411: e-Procurement and Reverse Auctions. e-Procurement and reverse auctions are the latest additions to Purchasing strategies today. The course will allow the students to understand what e-Procurement is and how it is used to provide efficiency and effectiveness to the organization. Topics will include why companies adopt e-Procurement as a strategy, benefits as well as discussions on reverse auction. It will include topic on data network communication. *Credit: 3 units. Prerequisite: Mgt 213.*

MANAGEMENT 412: Advanced Warehousing and Distribution Practices. The course is designed to provide the students with knowledge in warehouse planning and operations. The subject will cover topics such as warehouse space planning and lay-outing, improved packaging, handling and delivery, warehouse management systems, bar coding 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. *Credit: 3 units.*
Prerequisite: Mgt 216.

MANAGEMENT 413: 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 use of Capacity Planning and Materials Requirements Planning to support the MPS. *Credit: 3 units.*
Prerequisite: Mgt 212.

MANAGEMENT 414: Financial Management for Supply Management Practitioners. 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 report which will enable them to effectively evaluate supplier's financial health. The course includes topics such as Scope of Financial Management and basic financial metrics. *Credit: 3 units.*

MANAGEMENT 415: Strategic Purchasing. The course aims to provide the students with an understanding of the corporate environment and the role of purchasing in the various types of organization and culture. It will help the student to analyze supply markets, appraise market segments and provide information support. The subject will also cover how to develop supply strategies based on the material segmentation. *Credit: 3 units. Prerequisite: Mgt 213.*

MANAGEMENT 416: Practicum for Supply Management/On-the-Job Training. Complete 104 hours OJT (one semester) in any area of supply management. This will allow the student to be exposed to real work life environment and provide an opportunity to gain experience professional expectations and explore working situations commonly encountered in the area of supply management. *Credit: 3 units.*

MARKETING 31: Principles of Marketing (formerly as Management 31).

MARKETING 32: Marketing Management. Tackles the critical role of marketing management in organizations and society; and comprehensively covers such topics as managing the marketing 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 marketing effort. *Credit: 3 units.*

MARKETING 33: Principles of Advertising (formerly as Management 37).

MARKETING 34: Retail Management (formerly as Management 34).

MARKETING 35: Sales Management (same as Management 35).

MARKETING 37: Integrated Marketing Communication (same as Management 37).

MARKETING 41: Integrated Marketing Communication (same as Management 37).

MARKETING 42. Events, Publicity and Public Relations. Covers the basic principles of integrated marketing communications mix, which include events marketing, e.g., sponsorship, exhibitions and trade shows; publicity, broadcasting techniques 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. *Credit: 3 units.*

MARKETING 43. Market Research. Gives an overview of marketing research, and covers such topics as research techniques in product/brand management (e.g., sampling design, data collection, types and sources of data, etc.), research projects that support advertising, sales, distribution and pricing, cost-effective marketing research, social responsibility of the marketing research function, and up-to-date, user-friendly research methods and approaches. *Credit: 3 units.*

MARKETING 46. New Product and Brand Management. Covers the basic principles of contemporary new product and brand management; promotions mix; components of a brand, benefits of branding, brand equity and its measurement, various aspects of new product and brand management, strategic planning, plan execution and control. *Credit: 3 units.*

MARKETING 47: (same as Marketing 42).

STENOGRAPHY 11: Foundations of Shorthand. The course aims to acquaint students with the fundamentals of shorthand. The first half of the term is designed to develop fluency in the reading of shorthand outline and the second half to the writing of shorthand with emphasis on drill and dictation of short letters to increase their speed. Speed objective is 50 words per minute. *Credit: 3 units.*

TYPEWRITING 11: Basic Keyboarding. This course is designed to develop skill in manipulating the typewriter or a computer, to learn basic techniques and to utilize these techniques in the production of acceptable typewritten materials. The students are expected to attain a speed of at least 35 words per minute with appreciable accuracy. *Credit: 3 units.*

OFM 12: Personality Development and Public Relations. This course is designed to inculcate in the students the importance of a wholesome business personality that is necessary in today's workplace. It discusses the different aspects of personality with emphasis on maturity social graces and acceptable manners, good human and public relations skills, grooming and appearance, mental and emotional development and values as they interact with people in the business environment.

It deals with a wholistic approach to personality development. It aims to develop self-confidence by enhancing self-esteem by providing students with techniques to achieve personal success by self-motivation, assertiveness, and projecting professionalism. It prepares students to deal with people at different level by adjusting to situation and circumstances in a corporate environment. It emphasizes business etiquette and the Code of Ethics for Professionals. *Credit: 3 units.*

OFM 22: Practicum I (General Office). This course is conducted using lecture, role-playing and simulation of office practice methods covering in detail the phases of standard business procedures, such as the handling of telephone and telegraph services, treatment of mail and other postal matter, typing procedures, dictation and transcription activities and techniques, management of records, and filing systems. The student is required to undergo training in actual office work either within or outside the campus, for at least two hundred (200) office hours. At the end of the training program the student must exhibit enhanced office skills, abilities and values and acquire effective problem solving and decision abilities. *Credit: 3 units. Prerequisites: Typewriting 11, Stenography 11, OFM 12.*

OFM 31: Basic Office Administration. The course introduces the students as prospective office professionals to the basic office operations, techniques, and procedures required for entry-level jobs. It also covers work habits, attitudes, values, communication skills, as well as business ethics that prepare students to respond to the needs of the contemporary office. *Credit: 3 units. Prerequisite: OFM 22.*

OFM 32: Events Management. It covers the elements of the events such as: program and invitation, venue and accommodation, registration, streamers and back drops, food, etc., that are necessary in putting up conventions, exhibitions, events and seminar workshops. This course prepares the students in conceptualizing, planning, organizing and implementing projects and events. It emphasizes the value of teamwork in the execution of plans. *Credit: 3 units. Prerequisite: OFM 31.*

OFM 33: Principles of Public and Customer Relations. The course deals with the fundamentals of public relations and business and other organizations. It

familiarizes the students with the different techniques and tools in developing good relations with various types of publics in organization deals with. It covers the principles of public relations in the over-all marketing communications and corporate programs of a business firm. *Credit: 3 units. Prerequisites: OFM 12.*

OFM 34: Business Report Writing. Students are taught to prepare business letters reports, memoranda, business proposals, minutes of meetings, economic briefs, and executive summaries. *Credit: 3 units. Prerequisite: Eng 12.*

OFM 41: Entrepreneurial Management. The course aims to teach the approach entrepreneurs use in identifying opportunity and creating new ventures; the analytic skills that are needed to practice this approach; and the background knowledge and managerial skills that are necessary for dealing with the recurring issues involved in starting, growing, and harnessing the value of new ventures. *Credit: 3 units. Prerequisite: 4th year standing.*

OFM 42: Practicum 2 (Specialized) Medical. The course provides the students an opportunity to apply specialized procedures in actual work environment. Students are required to complete 100 hours training in a clinic, medical office, and hospital. *Credit: 3 units. Prerequisite: 4th year standing.*

PRACTICUM 2 (Specialized) Legal. The course provides knowledge of procedures followed in court and legal offices. Students are required to complete 100 hours on-the-job-training in court or legal offices.

ELECTIVE: OFM 44: Specialized Office Procedures-Medical. The course equips student with knowledge of basic medical procedures in the admission, treatment, care, discharge of patients, handling and disposition of medical records. Students are familiarized with vocabulary of medical terms, equipment, and materials. *Credit: 3 units.*

ELECTIVE: OFM 47: Specialized Office Procedures-Legal. The course equips students with a working knowledge of the procedures in a legal office or court in handling telephone calls, attending to office visitors and clients, hearing and investigation. It develops the students' ability in preparing legal documents, wills, complaints and summonses, real state and corporate documents. It also trains the students to use legal filing procedures that are currently used in law offices/courts. *Credit: 3 units.*

LIBERAL ARTS, CRIMINOLOGY AND EDUCATION

DEPARTMENT OF CRIMINOLOGY

CRIMINOLOGY 11: Introduction to Criminology and Psychology of Crimes. The course presents an overview of the different schools of thought in

criminology; theories explaining criminal behavior; techniques for measuring the characteristics of criminals, crime and victims; the interrelatedness of theory, policy, and practice in the criminal justice system; and current issues and studies in criminology. *Credit: 3 units.*

CRIMINOLOGY 12: Philippine Criminal Justice System. The study of the five pillars of criminal justice in the Philippines --- law enforcement, the prosecution, the courts, the corrections and the community. It also covers the respective functional relationships as well as individual roles in the administration of the justice system in the solution of crimes. *Credit: 3 units. Prerequisite: Cri 11.*

CRIMINOLOGY 14: Ethics and Values Formation for Law Enforcers. The course emphasizes a humanity-oriented discipline intended to develop an understanding of the norms of appropriate action in public safety and their stand on the basic issues including the legal and moral duties of public safety officers towards the community, based on Presidential Decree No. 62. *Credit: 3 units. Prerequisite: Cri 11.*

CRIMINOLOGY 16: Police Organization and Administration with Police Planning. The course is a systematic study of the principles underlying the police organization and management of the police, with particular focus on the constitutional mandate, Republic Act 6975 and Republic Act 8551, together with previous laws and issuances relating thereto. It also covers the organizational structure and administration of the Philippine National Police, both national and local levels. Emphasis is placed on direction, supervision, coordination and control of all local police forces as a homogeneous body under a single command. It also includes the basic management functions insofar as these are applied to the police organization. Police planning is integrated into this course for the purpose of equipping the students with knowledge on the development of effective plans, particularly on strategies and tactics for effective operations. The focus of planning here will be on the special techniques and procedures applicable to unusual needs like unusual criminal activities, civil disturbances, special community events, disaster plans and civil defense. *Credit: 3 units. Prerequisite: Cri 11.*

CRIMINOLOGY 18: Industrial Security Management. The course covers the organizational set-up, administration and operation of security agencies, special police and investigation agencies. *Credit: 3 units. Prerequisite: Cri 11.*

CRIMINOLOGY 19: Criminal Law 1. The course covers the study of the general provisions of the Revised Penal Code, Special Criminal Statutes of the Philippines, Presidential Decrees and Letters of Instructions and cases relative thereto. *Credit: 3 units. Prerequisite: Cri 12.*

CRIMINOLOGY 20: Criminal Law 2. The course deals with jurisprudence and the study of crimes and penalties. It also covers the elements of crime embodied in the Revised Penal Code Book 2 and the circumstances affecting criminal liabilities. *Credit: 3 units. Prerequisite: Cri 19.*

CRIMINOLOGY 21: Police Patrol Operations and Communication Systems. The course covers the organizational set-up of a patrol force, its functions and responsibilities, to include types of patrol, strategies, tactics, and techniques; patrol supervision; and its functional relationships with other police units. It also includes the study of the various systems of police communication; techniques in transmission of messages thru the various media and their application to the requirement of police administration and operations; use of police call boxes, two-way radio and modern electronic gadgets. *Credit: 3 units. Prerequisite: Cri 16.*

CRIMINOLOGY 22: Juvenile Delinquency and Crime Prevention. 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; 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. *Credit: 3 units. Prerequisite: Cri 12.*

CRIMINOLOGY 23: Police Intelligence. The course is a comparative study of military and police intelligence functions and operations, types of police intelligence, phases of intelligence cycle; modus operandi (MO) and order of battle regulations (OBR) system for the identification of criminals and threats to national security. *Credit: 3 units. Prerequisite: Cri 16.*

CRIMINOLOGY 24: Fundamentals of Criminal Investigation. The course covers the concepts and principles of criminal investigation including the modern technique in crime detection and investigation. It also includes modern techniques in processing the crime scene involving murder, homicide, rape, robbery and the like. It, likewise, aims to study concepts and general principles of arrest, searches and seizure, and the rights of the accused during custodial investigation. *Credit: 3 units. Prerequisite: Cri 19.*

CRIMINOLOGY 25: Personal Identification. The course covers the fundamental study of ancient and modern methods of personal identification with emphasis on dactyloscopy, orthodontology and palmistry, which embraces the identification of 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. *Credit: 4 units (3 units lecture, 1 unit lab). Prerequisite: Cri 12.*

CRIMINOLOGY 26: Police Photography. The course deals with the study of the history of photography, technical photography, and forensic photography. It also covers the study of advanced photo system and its application to police work. *Credit: 4 units (3 units lecture, 1 unit lab). Prerequisite: Cri 12.*

CRIMINOLOGY 31: Traffic Management and Accident Investigation. 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 signals and electric signal lights; techniques in accident investigation; determination of reaction-time and brake-in time and application of scientific aids in hit-and-run cases. *Credit: 3 units. Prerequisite: Cri 24.*

CRIMINOLOGY 32: Human Behavior and Crisis Management. The course focuses on understanding abnormal behavior in relation to crime and the adoption of strategies and tactics in dealing with potential and actual crisis. It includes the art of negotiation and the application of appropriate force during an emergency situation. *Credit: 3 units. Prerequisite: Cri 22.*

CRIMINOLOGY 33: Forensic Ballistics. The course is a scientific study of firearm identification with the use of laboratory examination. It puts emphasis on the study of ammunitions, 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 evidences and the preparation of reports for legal proceedings in the solution of cases involving firearms. *Credit: 4 units (3 units lecture, 1 unit lab). Prerequisite: NSc 16.*

CRIMINOLOGY 34: Organized Crime Investigation. A special study of modern techniques in the investigation of crimes penalized under special laws. *Credit: 3 units. Prerequisite: Cri 24.*

CRIMINOLOGY 35: Questioned Documents Examination. The course covers the scientific methods of questionable documents, handwriting examination, detection of forgery; falsification and counterfeiting of documents which stress the procedures of restoring and deciphering erasures and obliterations; 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. *Credit: 4 units (3 units lecture, 1 unit lab). Prerequisite: Cri 25.*

CRIMINOLOGY 36: Polygraphy (Lie Detection). The course is a study of lie detection and interrogation. It covers the methods and techniques of conducting polygraph examination and other conventional methods of detecting deception. The focus of the study is on the uses of the polygraph instrument and the standard procedures of polygraph examination including modern deception detection techniques. *Credit: 4 units (3 units lecture, 1 unit lab). Prerequisite: Cri 35.*

CRIMINOLOGY 37: Institutional Corrections. The course covers an examination of the history, philosophy and objectives of imprisonment and the development of prisons. A study of 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 determine areas for possible improvement. *Credit: 3 units. Prerequisite: Cri 22.*

CRIMINOLOGY 39: Police Personnel and Records Management. The course covers the study of police personnel management functions from recruitment to retirement; application of NAPOLCOM and PNP duties and regulations; police records management; and preparation of police personnel reports. *Credit: 3 units. Prerequisite: Cri 16.*

CRIMINOLOGY 40: Criminal Procedure. The course focuses on the study of the Rules of Court on criminal procedure and cases covering the law on arrest, searches and seizures, rules of preliminary investigation, the granting of bail, and the rights of the accused. *Credit: 3 units. Prerequisite: Cri 24 and Cri 28.*

CRIMINOLOGY 41: Comparative Police System. 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 in the promotion of world peace. *Credit: 3 units. Prerequisite: Cri 34.*

CRIMINOLOGY 42: 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, distinction between incarceration, parole, probation and other forms of executive clemency, total involvement of probation in the administration of criminal justice. *Credit: 3 units. Prerequisite: Cri 37.*

CRIMINOLOGY 43: Drug Education and Vice Control. This course is focused on the study of the Drug Abuse Prevention and Education Program of the government that includes recognition, nature, 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 program for drug dependents. *Credit: 3 units. Prerequisite: Cri 34.*

CRIMINOLOGY 45: Fire Techniques and Arson Investigation. The course covers the principles of technology of fire and its behavior. It also includes fire investigation and the role of firefighters during fire suppression and investigation, the study of the Fire and Building Code, and the law on destructive arson, including arson investigation. *Credit: 3 units. Prerequisite: Cri 34.*

CRIMINOLOGY 47: Legal Medicine. This course deals with the application of medical science in crime investigation with emphasis on human anatomy and physiology, the medico-legal aspects of physical injuries, death and crimes, abortion, infanticide, paternity and filiations, impotency, sterility and poisoning. *Credit: 3 units. Prerequisite: Cri 40.*

CRIMINOLOGY 49: Research Methods in Criminology. This course explores the different ways by which criminological research is carried out. It covers the different styles of criminological research, like case study, policy-related research, action-based research; different types of research designs, and the use of statistics. The output for this subject is a criminological research report to be defended by the students in class. *Credit: 3 units. Prerequisite: Mat 22 and Eng 12.*

CRIMINOLOGY 51: Criminal Evidence. The course involves the study of the fundamental principles of criminal evidence as embodied in the Rules of Court. *Credit: 3 units. Prerequisite: Cri 40.*

CRIMINOLOGY 53: Court Testimony. The course includes observation, enactment and the participation of the police officers in the judicial processes. *Credit: 3 units. Prerequisite: Cri 40.*

CRIMINOLOGY 54: On-the-Job Training and Community Immersion. The course is seeks to develop an understanding and exposure into the Psychology and Sociology of Crimes, Crime Detection and Investigation and Criminalistics, actual operation of a police station/department, jail or penal institution, Fire Departments and Security Agencies, and such other agencies comprising the five pillars of criminal justice system and the relationship between them as a supplement and in conjunction with the academic program; off-campus or practicum program in selected police agencies; actual field work, observation and

practice of police tasks, activities or operations, including patrol, traffic, crime investigation, criminalistics, performed internships, requiring observations in penal institutions, jail reformatories in DSWD, NBI, CHR, NAPOLCOM, and such other agencies related to the course. 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. The course is divided into three phases, namely: pre-immersion phase; immersion phase and the post immersion phase. *Credit: 6 units (540 hours). Prerequisites: Cri 51 and Cri 53.*

DEPARTMENT OF EDUCATION

EDUCATION 13: The Teaching Profession. This course deals with the teacher as an individual, classroom teacher, community teacher, and global teacher. It emphasizes professionalization to cover teacher status and levels of professional rewards and professionalism to improve competencies. *Credit: 3 units.*

EDUCATION 14: Child and Adolescent Development. It is a basic course on child and adolescent development focusing on current research and theory on the biological, linguistic, cognitive, social, and emotional dimensions of development and 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. *Credit: 3 units. Prerequisite: Edu 13.*

EDUCATION 15: Music, Arts, and PE. This course orients prospective grade school teachers on the fundamentals of music, arts, and physical education. It also exposes them on the various methodologies and strategies in teaching these areas to young learners. *Credit: 3 units.*

EDUCATION 16: Facilitating Human Learning. It is a basic course on contemporary theories and research on the cognitive, metacognitive, motivational, socio-cultural, and individual difference factors relating to the acquisition of knowledge. The course coverage shall focus on contemporary theories and research on learning, with application to the Philippine regional, local and personal experiences. More importantly, the processing of the theories and research will emphasize how a teacher may use the various ideas to better facilitate learning among students. *Credit: 3 units. Prerequisite: Edu 13.*

EDUCATION 17: Values Education for Teachers. This course orients the prospective teachers on the nature of values education and exposes them to the different methodologies and strategies in integrating desirable values, attitudes,

and appreciations in the teaching of the different learning areas in the basic education curriculum. *Credit: 3 units. Prerequisite: Edu 13.*

EDUCATION 18: Social Dimensions of Education. This course is an introduction to social science theory and research as it relates to education and to understanding the four pillars of learning, which are fundamental in making critical and logical decision as an active member in the society and as a global citizen. It aims to enhance critical understanding and responding to transformations in education, work, culture, globalization and subjectivity that have induced education, economic, socio-cultural, political, geographical and environmental networks. *Credit: 3 units. Prerequisite: Edu 13.*

EDUCATION 19: Principles of Teaching 1. The course introduces prospective teachers to the nature of teaching. It specifically deals with the principles of effective instruction and the concomitant processes involved; instructional planning and demonstration teaching. It is a blend of theoretical information and selected matching actual experiences. *Credit: 3 units. Prerequisite: Edu 14, Edu 16 and Edu 18.*

EDUCATION 20: Principles of Teaching 2: The course introduces prospective grade school and high school teachers with knowledge and understanding of the subject area which include: foundation disciplines, structural components, models of teaching and assessment strategies. These will provide the student with the theoretical underpinnings in teaching and develop concepts, skills, attitudes, and values related to the subject area. *Credit: 3 units. Prerequisite: Edu 21.*

EDUCATION 27: Developmental Reading 1: The course intends to sharpen the teacher's reading proficiency in preparation for the introduction to the nature of the reading process. *Credit: 3 units. Prerequisite: Eng 12.*

EDUCATION 28: Community Health Development. This course focuses on the in-depth study of the principles, approaches and strategies on community health development. It equips the students with principles of health education following the COPAR (Community Participatory Action Research) model. *Credit: 3 units; Prerequisite: Primary Health Care 1 and Primary Health Care 2.*

EDUCATION 29: Educational Technology 1. This is a 3- unit course designed to introduce the basic learning theories and principles as bases in the design, development, implementation and evaluation of instruction using educational technology. Students are expected to acquire skills in integrating technology in various content areas. Course activities are focused on the design and development of ICT-based instructional plans. *Credit: 3 units. Prerequisite: Edu 14, Edu 16 and Edu 18.*

EDUCATION 30: Educational Technology 2. This is a three (3)-unit course designed to introduce both traditional and innovative technologies to facilitate and foster meaningful and effective learning. Students are expected to demonstrate a sound understanding of the nature, application and production of the various types of educational technologies. The course will likewise focus both on developing teacher support materials and the production of technology-based student outputs. *Credit: 3 units. Prerequisite: Edu 29.*

EDUCATION 35: HE and Livelihood Education. This course prepares the prospective teacher in handling work education, with particular emphasis on home economics, arts, and crafts, as well as livelihood activities suitable to the manipulative abilities of children. *Credit: 3 units.*

EDUCATION 38: Methods of Research. This course is designed to introduce research and the problem for investigation to students of behavioral sciences. It includes discussions on the theories and rudiments of research and the review of related literature, research method, sampling techniques, data collection methods, selecting appropriate statistical techniques, thus writing scientific reports and the term papers and abstract, are the outputs of the course. *Credit: 3 units.*

EDUCATION 39: Nursing Research 2. This course is a continuation of Nursing Research 1 which includes collection, analysis and interpretation of data, conclusions and recommendations. This will provide the students/group an opportunity to undergo the final defense to appreciate the research process. Guided practicum sessions are done throughout the course. *Credit: 3 units. Prerequisite: Edu 38.*

EDUCATION 40: Curriculum Development. The course introduces the education students to effective curriculum design and assessment. Topics covered in the course include curriculum models, principles and approaches in designing, delivering and assessing the curriculum. *Credit: 3 units. Prerequisite: Edu 19.*

EDUCATION 41: Special Topics in Education. This seminar course provides education students the opportunity to explore topics and issues related to teaching and learning. Some possible topics that can be taken up include the following: teaching multi-grade classes; environmental education; teaching multicultural classrooms; integrative teaching strategies; collaborative learning; use of popular media in teaching; distance learning; problem-based teaching; addressing learning gaps; teaching indigenous people, among others. *Credit: 3 units. Prerequisite: 4th Year Standing.*

EDUCATION 45: Assessment of Learning 1: The course focuses on the development and utilization of assessment tools to improve the teaching-learning process. Emphasis in the course is placed on the use of testing for measuring

knowledge, comprehension, and other thinking skills. It allows students to go through the standard steps in test construction for quality assessment. *Credit: 3 units. Prerequisite: Edu 20.*

EDUCATION 46: Assessment of Learning 2: The course focuses on the development and utilization of alternative forms of assessment in measuring authentic learning. Emphasis is given on how to assess process-and-product oriented learning targets as well as affective learning. Students will experience how to develop rubrics for performance-based and portfolio assessment. *Credit: 3 units. Prerequisite: Edu 45.*

EDUCATION 47: Developmental Reading 2: This course is offered to education students going into the BEED stream. It is focused on the study of the theories, techniques and materials in teaching beginning reading and its application. *Credit: 3 units. Prerequisite: Edu 33.*

EDUCATION 51: Fundamentals of Research and Research Designing. This course orients the students on the basics of conducting research in the various disciplines, with particular emphasis on designing a study on a topic of interest. The outputs of the course include the following: research proposal; action research; scientific reports, term papers; and research abstracts. *Credit: 3 units. Prerequisite: 4th Year Standing, Eng 12 and Mat 22.*

EDUCATION 52: Thesis/Research Project. This course imparts an understanding of how knowledge in a discipline is accessed, generated, organized, and presented. Students pursue research in this course under the guidance of a faculty adviser through any of the following ways: research paper or thesis; feasibility study; case study; project; product or performance in general education courses and a structured series of small projects which convey disciplinary procedures and fit the student to work in his area of specialization. *Credit: 3 units. Prerequisite: Edu 51.*

EDUCATION 54: Field Study A. This field study course is divided into three areas. The first area (Learner's Development and Environment) provides education students the opportunity to verify the behavior of the child in the actual learning environment. The second area (Experiencing The Teaching-learning Process), provides students with the opportunities to examine the application of teaching theories and principles in the learning environment and are given the chance to develop and try out learning tasks, instructional materials and assessment tools. The third area (Technology in the learning Environment) seeks to enrich students' experiences in developing and utilizing appropriate technology to facilitate learning. *Credit: 3 units. Prerequisite: Edu 20 and Edu 29.*

EDUCATION 55: Field Study B. This course is the continuation of the first field study course taken by education students, which is also structured into three areas. The first area (Exploring the Curriculum), provides them insights on how the curriculum can be effectively implemented and the opportunity to apply and verify knowledge gained on curriculum development through exposure to the existing curriculum. The second area (Learning Assessment Strategies) allows these students to have 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. *Credit: 3 units. Prerequisite: Edu 30, Edu 40, and Edu 46.*

EDUCATION 57. Integrated Course 1. This course recaps what the students had learned under the Professional education component of their academic program. Areas covered in this course are the following: theory and concepts courses; methods and strategies courses; and field study courses. *Credit: 3 units. Prerequisite: Edu 46 and Edu 54.*

EDUCATION 58: Integrated Course 2. This is a continuation of the first integrated course taken by education students during the first semester of their senior year. Areas covered are the general education components of their program. *Credit: 3 units. Prerequisite: Edu 57.*

EDUCATION 59: Integrated Course 3. This course is a systematic review of the different courses under their field of concentration and required only of BSED graduating seniors. *Credit: 3 units.*

FOS 11: Strategies for Academic Success in College. This seminar-orientation course introduces college students to college level thinking skills, interpersonal skills and effective study skills necessary for academic success. Major topics include goal setting, time management, efficient and critical reading, note-taking, concentration and memory development, study techniques, test taking and vocabulary development. The seminar format provides an opportunity for extensive discussion and writing that promote the development of critical thinking thru interactive learning experiences, which may include readings and panel discussions. *Credit: 3 units.*

PHYSICAL EDUCATION 11: Introduction to Physical Education. This includes an overview of the history and importance of physical education and an introduction to basic motor skills. The activities will primarily center on the individual physical conditioning with emphasis on speed, power, agility, flexibility, endurance, balance and organic vigor. *Credit: 2 units.*

PHYSICAL EDUCATION 12: Basic Physical Education. This course deals with the origin, history and fundamentals of selective sports and includes holding

of lead-up games aimed at developing skills on organized sports through group game activities. *Credit: 2 units.*

PHYSICAL EDUCATION 13: Fundamentals of Martial Arts. The course deals with the study of judo, karate-do, and arnis as a means of self-defense for law enforcement officers. It includes the instructions on safety falls, kickback throws, fighting stances, pushing and open hand strikes, hand grips and grabbing, head lock and hammer lock, training and conditioning of the body through calisthenics, developing force and flexibility. *Credit: 2 units.*

PHYSICAL EDUCATION 14: Disarming Techniques. The course deals with the study and practice of martial arts as a means of self-defense for law enforcement officers. The study emphasizes special instructions in physical conditioning, unarmed defense tactics, offensive and defensive procedures, pistol disarming, defense against knife and club attacks. It also covers the application of the different principles of karate-do, aiki-do, long stick, police baton, taekwon-do, Thai boxing and other forms of martial arts. *Credit: 2 units. Prerequisite: PE 13.*

PHYSICAL EDUCATION 21: Advanced Physical Education, Part I. The course covers an individual selection by students of particular courses or subjects in physical education of their personal interest such as, but not limited to, gymnastics, folk dancing, modern dance, table tennis, swimming, lawn tennis, chess, recreational leadership, and others. *Credit: 2 units.*

PHYSICAL EDUCATION 22: Advanced Physical Education, Part II. The course covers individual selection of courses or subjects such as, but not limited to, volleyball, basketball, softball, aerobics, football, officiating, and introduction to coaching. *Credit: 2 units.*

PHYSICAL EDUCATION 23: 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 a special instruction in swimming and forms of rescue operation, resuscitation in the recovery of submerged victims, safety measures and accident prevention. *Credit: 3 units. Prerequisite: PE 14.*

PHYSICAL EDUCATION 24: Marksmanship and Combat Shooting: The course deals with combat shooting course for police officers, practice in 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. *Credit: 3 units. Prerequisite: PE 23.*

DEPARTMENT OF LANGUAGES

The successful completion in proper sequence of English 11 and 12 is required before any other English subject may be taken.

ENGLISH 11+. ENGLISH PLUS. This course is intended to strengthen and enhance the study habits and skills of entering college freshmen as basic tool for effective learning, including the development of a higher level of reading skills and comprehensions as to effect critical thinking among them. Along the way, the student's language proficiency shall be sharpened through an improved grammar, and increased vocabulary, thereby, acquiring a communicative competence vital to academic study in tertiary level.

ENGLISH 11: Introduction to College English. This course is designed to: assist students in gaining communicative competence through improvement of the basic language skills of listening, speaking, reading and writing; equip them with a knowledge of functional grammar in oral and written expression; and provide them opportunities for improving and advancing their reading comprehension skills needed in academic work. *Credit: 3 units.*

ENGLISH 12: Reading, Writing and Research Skills. The course centers on the development of writing skills and process begun in English 11. Emphasis is on the development of critical and analytical reading skills, academic writing strategies, and some essential research techniques. Particular attention is paid to the construction of logical arguments aimed at a particular audience. As a corollary, speaking as an academic skill is also stressed. Readings may feature a variety of genres and forms, both literary and non-literary, aimed at different audiences and with different purposes. A research paper is required in this course. *Credit: 3 units. Prerequisite: Eng 11.*

ENGLISH 13: Language Curriculum for Secondary School. Provides familiarization on the components of the language curriculum-its theoretical underpinnings, content, development process as bases for evaluating the current secondary education language program and for designing future language programs suitable to Philippine setting. Also includes proper interpretation of defined competencies. *Credit: 3 units. Prerequisite: Eng 12 and Edu 40.*

ENGLISH 14: Survey of Literature in English. An intensive analysis and exploration of the great literary works from multiple cultures, selected on the basis of common theme, genre, historical period and/or geographical area. Emphasis shall be on literature as an expression of human values, feelings and concerns and as a reflection of a national culture. The relationship of literary works to other art forms such as painting, sculpture, architecture and music is explored in this course.

Discussion, analysis, and intensive writing are required. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 15: Teaching Speaking. Teaches the speaking component of language taking into account its nature, its theoretical underpinnings, the competencies to be developed, and productive teaching-learning strategies. *Credit: 3 units. Prerequisite: Eng 21 and Edu 20.*

ENGLISH 16: Mythology and Folklore. Provides a study on a body of mythological and folk narratives from different countries to gain deeper insights into man's origins, his desires, fears, and instincts and needs in general and the different cultural patterns of countries, in particular. *Credit: 3 units. Prerequisite: Eng 17.*

ENGLISH 17: Teaching Listening and Reading. Teaches the listening and reading component of language taking into account their nature, their theoretical underpinnings, the competencies to be developed and productive teaching-learning strategies. *Credit: 3 units. Prerequisite: Eng 15.*

ENGLISH 19: Teaching Literature. Explores the basic pedagogical theories, teaching strategies, philosophical influences and movements in literature as they affect teaching. *Credit: 3 units. Prerequisite: Eng 15.*

ENGLISH 21: Effective Oral Communication. This course provides students training in voice and diction and effective oral expression in preparing extemporaneous and informative speeches. Emphasis is placed on preparation and delivery. Techniques of group discussion, as well as interviewing will also be explored in this course. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 22: Business English. This course presents business situations and problems requiring written communications, the grammar of business communications, the techniques and writing of business letters and reports, and the use of the telephone, fax machine, telegram, cablegram, other communication models, equipment, and modes. *Credit: 3 units.*

ENGLISH 23: Technical and Report Writing. The course is designed to teach the students how to prepare and write technical reports, business correspondences and research reports with emphasis on structure, style and the methods of research including of data interpretation. *Credit: 3 units.*

ENGLISH 25: Technical Report Writing in Criminology. 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 application of principles appropriate report writing: brevity, clarity, completeness, and accuracy of facts

and presentation according to prescribed format and style. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 26: Children's Literature. This course is a study of the world's literature for children and adolescents. Children's literature written in English by Filipinos and translation from Philippine dialects forms a major portion of the course. The course (a) familiarizes the student 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 storytelling, dramatization, and choral reading, and (d) creates simple poems and stories for children with emphasis on the sense of humanism and Filipinism. *Credit: 3 units.*

ENGLISH 28: Argumentation and Debate. The course prepares the student in the correct procedure of arguing and debating. It acquaints him with the different ways of making a logical argument, preparing him also for refutation. Frequent class debates are held. *Credit: 3 units.*

ENGLISH 30: Preparation and Evaluation of Instructional Materials. Equips students with skills to evaluate and/or develop various types of instructional materials in English suitable to the teaching and learning of a specific language objective. *Credit: 3 units. Prerequisites: Edu 20 and Eng 17.*

ENGLISH 31: Survey of World Literature. This includes a study of literary masterpieces of different peoples of the world throughout the course of history. *Credit: 3 units.*

ENGLISH 32: Survey of Asian Literature. The course is a historic-critical study of the development of major literary genres like poetry, drama and fiction throughout the countries of Asia with particular emphasis on China, India and Japan. *Credit: 3 units.*

ENGLISH 33: Introduction to Literary Studies with Philippine Literature. This course emphasizes literature as a field of study and orients the students on the variety of literary modes or themes. It provides a unique perspective on universal human experiences, ideals or values. Practice in speaking, reading and writing about literature is required in this course. Representative Filipino literary pieces shall be integrated in the various course topics. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 34: Survey of American Literature. This course includes a study of the writers, analysis of their works, and critical appreciation of their place in and influence on American Literature. *Credit: 3 units.*

ENGLISH 35: Survey of English Literature. This 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. The course includes collateral readings and methods of presenting them to children. *Credit: 3 units.*

ENGLISH 36: Essay Writing. This is focused on the study of the essay as a literary form and an analysis of the different types of essays. Readings of the work of leading English and American essayists as well as contemporary articles in current periodicals supplement the textbook. The student is required to submit at least three original essays during the semester. *Credit: 3 units.*

ENGLISH 37: Afro-Asian Literature. Provides a study of representative literary works by early and contemporary Asian and African writers. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 38: Introduction to Linguistics. Develops the ability to use meta-language of grammar with ease and explain the form, meaning and use of the elements of grammar. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 39: Advanced Grammar for Teachers. Develops the ability to use the meta-language of grammar with ease and explains the form, meaning, and use of the elements of grammar. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 40: Campus Journalism. Equips students with competencies in writing editorials, news, and feature articles and editing, following the tenets and of responsible journalism. Output for this course is a sample school paper. *Credit: 3 units. Prerequisite: Eng 12.*

ENGLISH 42: Investigative Report Writing for Police Personnel. 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 of confidential files; criminal statistics and wanted forms; the follow up control system and the use of electronic processing. *Credit: 3 units. Prerequisite: Eng 25.*

ENGLISH 44: Developmental Reading. This course is intended to give the student background knowledge on the nature and psychology of the reading process and various topics related to the acquisition and refinement of reading skills. *Credit: 3 units.*

ENGLISH 46: Teaching English as Second Language. The course familiarizes the student with the methods of teaching English as a second language, the textbooks, guides, and other materials currently used in the Philippine schools,

and the use of textbooks and guides effectively. A basic understanding of second language testing principles is provided to enable effective construction of tests. *Credit: 3 units.*

ENGLISH 47: Call Center Fundamentals. A course on intensive English grammar review, focusing on structures and syntax, aimed at increasing accuracy, emphasizing the use of language in the field of, but not limited to, Business Process Outsourcing. *Credit: 3 units. Prerequisites: Eng 12.*

ENGLISH 48: Call Center Fundamentals 2. The course seeks to develop proficiency in oral communication, customer service management. It also familiarizes student on American History and culture for them to understand customers in terms of cultural orientation. Moreover, it makes use of facts and information about business process, outsourcing, following communication approach to learning. Actual exposure to the call center industry is integrated on this course. *Credit: 3 units. Prerequisites: Eng 47.*

ENGLISH 49: Fundamentals of Research. (same as Education 51)

ENGLISH 50: Research Output. (same as Education 52)

ENGLISH 51: Creative Writing. Provides a study of the forms of discourse stressing their essential features and characteristics, with a view of developing in the students the ability to write narrative, descriptive expository and argumentative compositions using representative reading selections as models. *Credit: 3 units. Prerequisite: Eng 39.*

ENGLISH 52: Speech and Stage Arts. 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. *Credit: 3 units; Prerequisite: Eng 21.*

ENGLISH 53: Business Communications 2. The course builds the students' understanding of, and basic competencies in, effective communication in the work place. It introduces student s to key concepts of business communication, methods, and techniques for its efficacy and its impact on organizational success. Actual business applications and scenarios are used to illustrate the fundamentals of effective business communication. *Credit: 3 units. Prerequisite: Eng 12.*

FLn 11: Foreign Language: A choice of any foreign language, such as French, Italian, Mandarin, Nippongo, and Spanish. The course allows the students to gain knowledge and conversational proficiency of a foreign language as well as insight into the socio-culture environments of its people. *Credit: 3 units.*

FILIPINO

FILIPINO 13: Komunikasyon sa Akademikong Filipino. Ang kursong ito ay isang metalinggwistik na pag-aaral sa gamit ng akademikong Filipino sa iba't ibang sitwasyon at larangan. Sa paraang interdisiplinaryo at interaktibo inaasahang mauunawaan at malilinig sa mga estudyante ang mga kailangang kaalaman at kasanayan sa paggamit ng maka-pilipinong oryentasyon sa pag-alam, pagtaya at pagpapahalaga sa mga kaalaman at konsepto na may kinalaman sa kulturang local at global. *Credit: 3 units.*

FILIPINO 14: Pagbasa at Pagsulat Tungo sa Pananaliksik. Ang kursong ito ay nakasentro sa pagpapalawak ng mga kaalaman at kasanayan sa kritikal na pagbasa at lohikal na pagsulat tungo sa pagsasagawa ng sariling pananaliksik. Sa pamamagitan ng mga aralin sa kursong ito, ang mga mag-aaral ay inaasahang magagamit ang mga kaalaman at kasanayan sa kritikal na pag-unawa ng mga teksto sa ibat-ibang disiplina at makapagsasagawa ng sistematikong pananaliksik. *Credit: 3 units. Prerequisite: Fil 13.*

DEPARTMENT OF MATHEMATICS

MATHEMATICS 11: College Algebra. A systematic approach to algebra, emphasizing the concepts needed by students in the different academic programs. This course includes discussion of sets, basic notations, set operations, rational and irrational numbers. The number system is represented in a deductive logical system; thus, giving some ideas not only of the nature of numbers themselves, but also the operations on these numbers and their properties. Algebraic operations, topics in equations, systems of equations and word problem applications are given emphasis. "Real-world" data are included to make the word problems meaningful. Calculators and/or computational software will be used appropriately.

MATHEMATICS 15: Contemporary Mathematics. This course offers to the student an opportunity to learn when and how mathematics can be used in many different real-life situations. Consequently, this course will help students expand their content of knowledge in mathematics. The following principles underline this course: Math is useful; Math is realistic and relevant; Math is interesting; Math is needed by all. This course also aims to integrate math theories with reality, thereby increasing the level of mathematical literacy of Filipinos. The approach is to contextualize the concepts. Problem solving is the central feature of this course. *Credit: 3 units. Prerequisite: Mathematics 11.*

MATHEMATICS 16: Quantitative Techniques. This course deals with the different quantitative approaches to business and other fields of endeavor, with emphasis on the importance of qualitative analysis of different problems and

decision-making. Knowledge in basic algebraic concept is a necessity to fully comprehend the topics, which include linear programming, special purpose algorithm, decision theory, forecasting and inventory. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 17: Plane Geometry. This course covers the study of points, lines and planes including angles that serve as springboard for understanding solid geometry and analytic geometry. It is intended to enhance students' visualization skills and creativity. This course will also help strengthen students reasoning skills and ability to make convincing arguments and proofs. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 19: Solid Geometry. This course involves three-dimensional structure and their constructions, measures and analysis of properties. Because we live in a three-dimensional world, students must learn to function with enhanced spatial skills. This serves as a fundamental course for the study of volume and multi-variable functions in calculus. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 21: Theory of Probability. This course introduces students to the Mathematics of chance that includes counting techniques, probability distributions and Mathematical expectations. It exemplifies the usefulness of mathematics in decision making. *Credit: 3 units. Prerequisite: Mat 22.*

MATHEMATICS 22: Elementary Statistics. This course covers the elements of statistics both descriptive and inferential. It also covers the simple probability in preparation to higher statistical topics. It deals with different methods of collection, presentation, analysis and interpretation of data, drawing of conclusions and judgment based on these set of data. It also deals with the basic concepts of probability distributions. This course also provides a clear analysis of statistical methodologies that are important in the formulation of policies, decision making and forecasting. It also aims to equip students with the mathematical skills necessary to cope with the different qualitative/quantitative methods used in research and decision making. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 23. Mathematics of Investment. This course aims to equip students with mathematical tools needed in the practical applications of mathematical concepts in finance as well as to increase students' competence in the mathematical analysis and computations of financial problems. This deals with simple interest, compound interest, simple annuity, amortization and sinking funds and perpetuity. The use of scientific calculator is a requirement to facilitate easily the answer. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 24. Discrete Mathematics. (same as ITC 16) This course is designed for students majoring in mathematics. The course discussess

mathematical logic set theory, binary relations, combinational analysis, discrete structures, applications and modeling, algorithmic thinking and matrices. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 25: Mathematics of Finance. (same as Mathematics 23).

MATHEMATICS 26: Biostat (same as Mathematics 22).

MATHEMATICS 27: Number Theory. This course is about the structure of the set of rational numbers. It covers discussion on the set of integers that covers duplicity, Euclid's algorithm, factorization, congruences, Pythagorean and linear diophantine equations. The course is basically axiomatic in nature and will be focused on proving theorems and solving problems. *Credit: 3 units. Prerequisite: Mat 11 and Mat 34.*

MATHEMATICS 29: (same as Mathematics 24)

MATHEMATICS 31: Plane and Solid Geometry. This course is intended to enhance the students' vision and mind-set needed to work on the exercise leading to a better understanding of the concepts, structures and processes of Geometry. This covers the study of lines, planes, angles, triangles, geometric inequalities, parallel lines in a plane, circles and spheres. This also involves dihedral angles, polyhedrons, prisms, parallelepipeds, pyramids, regular polyhedrons, cylinders, cones, spherical polygons, measurement of spherical surface and solids. *Credit: 3 units. Prerequisite: Mat 17, and Mat 19.*

MATHEMATICS 32: Analytic Geometry. This course discusses the Cartesian coordinate system; straight lines; circles; conic sections; translation and rotation of axis; polar coordination; parametric equations; general equation of second degree (parabola, ellipse, hyperbola); tangents, quadratic surface of solids; special curves. *Credit: 3 units. Prerequisite: Mat 11 and Mat 33.*

MATHEMATICS 33: Trigonometry. This course covers the fundamental concepts of plane and spherical trigonometry. Topics covered in the course include as generalized trigonometric functions, trigonometric identities, solutions of right and oblique triangles, application of trigonometric functions and celestial sphere, including plane and three-dimensional mensuration. Extensive in-class use of graphing calculators will be expected of the students. Other mathematical software may also be required. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 34: Advanced College Algebra. The course coverage is a continuation of college algebra; factoring quadratic equations; binomial theorem; simultaneous equations of three or more unknowns of the second or higher degree; progressions; determinants; inequalities; complex numbers; mathematical induction, theory of equations algebraic and graphical solutions of simultaneous equations. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 35: Instrumentation in Math. This course trains prospective math teachers to develop visual aids, manipulative materials and models with accompanying activity sheets that will aid students' understanding of abstract and difficult concepts in Mathematics and make the study of the subject more appealing to students. It will also enable them to improvise instructional devices using available low cost materials. The use of graphing calculators and computer algebra systems is highly encouraged. *Credit: 3 units. Prerequisite: All basic Mathematics subjects.*

MATHEMATICS 36: Modern Geometry. This course aims to develop students' analytical power in solving and understanding geometric size and shapes; geometric relations among lines and angles; and proving theorems. Topics include the geometric size and shapes, lines and angles, congruent triangles, properties of quadrilateral similar triangle, perimeter, areas and volumes of geometric figures and the fundamental concepts of coordinate system. *Credit: 3 units. Prerequisite: Mat 31.*

MATHEMATICS 37: Calculus 1. A course which covers the same topics as Math 41 while using a workshop experience and collaborative learning to give special emphasis to the development of problem-solving skills. *Credit: 4 units. Prerequisite: Mat 32.*

MATHEMATICS 38: Abstract Algebra. This course introduces the students to basic algebraic structures, groups, rings and fields. It aims to enhance students' skills in constructing mathematical proofs. It aims to develop students' logical and analytical reasoning. It enhances students' symbolic thinking and appreciation of mathematical structures. *Credit: 3 units. Prerequisite: Mat 11 and Mat 34.*

MATHEMATICS 39: Business Calculus. Business Calculus is intended to discuss the elements of analytic geometry, differential and integral calculus in an order of topics that will introduce the basic ideas of analytic geometry and calculus and its applications to business problems. *Credits: 3 units. Prerequisite: Mat 11, Mat 16, Mat 22 and Mat 23.*

MATHEMATICS 40: Advanced Statistics. This course is design to guide students and future researchers apply the different statistical tools in research. Furthermore, this course will also let the students appreciate their acquired knowledge especially in their quest for making right decisions in the future. The subject covers two parts: Parametric and nonparametric statistics. *Credit: 3 units. Prerequisite: Mat 11 and Mat 22.*

MATHEMATICS 41: Differential Calculus. This course provides an introduction to calculus. Topics include functions and graphs, limits, derivatives, techniques of differentiation, the Fundamental Theorem of Calculus, and applications of derivatives. *Credit: 3 units. Prerequisite: Mat 32.*

MATHEMATICS 42: Integral Calculus. This course is a continuation of differential calculus. Topics include definite and indefinite integrals, techniques and applications of integration, finding areas and volumes, derivative of inverse, trigonometric and exponential functions, introduction to differential equations, parametric curves and polar coordinates, infinite series and Taylor approximation. *Credit: 3 units. Prerequisite: Mat 41.*

MATHEMATICS 43. Differential Equations. This course reviews an introduction to basic mathematical modeling techniques using first and second ordinary differential equations. Review of first-order equation, variables, separable, linear and homogeneous, second order differential equations, solution with linear equation with constant coefficients, solution of homogeneous equation, particular integrals, and solution of the non-homogeneous equation. These solutions are then used to investigate various differential problems. This course may serve as a tool to stimulate students' interest and further enhance their mathematical prowess. *Credit: 3 units. Prerequisite: Mat 42.*

MATHEMATICS 44. Advanced Engineering Mathematics. This course introduces computer engineering students to those areas of mathematics which are important in solving practical problems. Topics include Laplace transforms, linear algebra and vector analysis, Fourier analysis, partial differential equations, complex numbers, and numerical methods. *Credit: 3 units. Prerequisite: Mat 43.*

MATHEMATICS 45. Linear Algebra. This course is offered to students majoring Math for them to gain opportunity to learn and handle abstract concepts. This covers Matrix operations, real vector spaces, linear transformation and matrices, determinants, Eigen values and Eigen vectors. *Credit: 3 units. Prerequisite: Mat 11, Mat 22 and Mat 34.*

MATHEMATICS 46: Mathematical Investigation and Modeling. This course makes use of the repertoire of mathematical knowledge and skills students have developed over the years to deepen and further extend their understanding of the subject. It intend to equip prospective math teachers with techniques on guiding their students to develop research-based investigatory projects in math. It also aims to change students' impression of mathematics as a "toolkit" and inculcate in them the view that math is a dynamic and growing body of knowledge and processed. *Credit: 3 units. Prerequisite: Mat 40.*

MATHEMATICS 47: Problem Solving. This course aims to provide future math teachers with a holistic experience of mathematical problem solving and investigation. Students of this course will go through the experience of formulating and posing problems and actual solving of both routine and non-routine mathematical problems. This will also enable future teachers to guide and

assist students to develop their problem solving abilities. *Credit: 3 units. Prerequisite: All basic Mathematics subjects.*

MATHEMATICS 48: Mathematical Concepts. This course deals with basic treatment of the fundamental, practical essentials of solid geometry with the object of developing space intuition. The course covers the study of measurement of plane figures, solid separated into natural groups, proofs of volumes and surface formula and problems requiring thought and evaluation. *Credit: 3 units. Prerequisite: Mat 11.*

MATHEMATICS 49: Fundamentals of Research (same as Education 51).

MATHEMATICS 50: Thesis/Research Project (same as Education 52).
Prerequisite: Mat 49.

MATHEMATICS 52: Plane and Solid Mensuration. This course deals primarily with various solids. Previous knowledge of trigonometry and plane geometry is required. Lines, planes and angles are reviewed. The various solids are categorized into elementary and familiar solids, and natural solids. Topics include the surface areas of plane figures and volumes of various solids and their applications. *Credit: 3 units. Prerequisite: Mat 33.*

MATHEMATICS 54: Calculus 2. A course which covers the same topics as Mathematics 42 while using a workshop experience and collaborative learning to give special emphasis to the development of problem-solving skills. *Credit: 4 units. Prerequisite: Mat 37.*

DEPARTMENT OF NATURAL SCIENCE

NATURAL SCIENCE 13: Anatomy and Physiology. Study of the structure and functions of the human body. This include 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. *Credit: 5 units (3 units-Lecture, 2 units-Laboratory). Prerequisite: General Chemistry and Biology.*

NATURAL SCIENCE 14: Physics. This course is a non-calculus general physics intended for students pursuing a career in health-related fields. It deals with mechanics, heat and thermodynamics; electromagnetism, waves, optics and modern physics. *Credit: 3 units. Prerequisite: Mat 11. Laboratory work is required.*

NATURAL SCIENCE 15: General Chemistry. This course deals with the qualitative quantum mechanical description of the atomic, ionic and molecular structure of matter, theoretical and practical treatment of chemical and nuclear reactions; property-structure correlation of solids, liquids and gases. *Credit: 5 units. Laboratory work is required.*

NATURAL SCIENCE 16: Biochemistry. This course deals with the chemistry of life processes or metabolism. It involves the study of the nature of biomolecules (whether natural or synthetic organic molecules) and the chemical processes they are undergoing in the living cells. *Credit: 5 units. Laboratory work is required.*

NATURAL SCIENCE 20: Forensic Chemistry and Toxicology. This 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, study of nature, physiological action, chemical and physical properties, dosage, treatment and detection of poisons. *Credit: 5 units. Prerequisite: NSc 15. Laboratory work is required.*

NATURAL SCIENCE 21: Introduction to Physical Science. Physical Science incorporates all science disciplines including biological and life sciences, earth and space science, astronomy, geology, physics, and chemistry. The course stresses the development of process skills and fosters a positive attitude and appreciation for science through the use of hands-on activities. Topics covered in the course centers on the analysis and synthesis of various energy systems of the physical world. *Credit: 3 units.*

NATURAL SCIENCE 22. Introduction to Biological Science. This course deals with the study of cell and cellular life processes, human biology, and some basic concepts in ecology. Some concepts in ecology are introduced to give students broad understanding and an appreciation of how the biological world affects their lives. *Credit: 3 units.*

NATURAL SCIENCE 24: Chemistry. This course deals with the basic principles of general chemistry. Topics include matter and energy, theory of atoms and molecules, chemical periodicity, chemical reactions, calculations with chemical formulas and equations, stoichiometry, chemical bonding theories, solutions, chemical equilibrium, thermochemistry, electrochemistry, and nuclear chemistry. *Credit: 5 units. Laboratory work is required.*

NATURAL SCIENCE 26: Environmental Science. This course is about the principles of ecology (hydrosphere, atmosphere, lithosphere, and biosphere). Topics include hydrology, water and wastewater treatment, water quality management, air and noise pollution, solid waste management, and global environment issues. *Credit: 3 units.*

NATURAL SCIENCE 30: Astronomy. This course deals with the study of the Earth as part of the solar system, the members of the solar system. The milky way galaxy, and other members of the universe. It also deals with the study of the various space explorations of planets and moons of different countries that leads to the knowledge of the solar system and its immediate neighbors. *Credit: 3 units. Laboratory work is not required.*

NATURAL SCIENCE 31: Geography. This course deals with the physical, human and regional geography of the countries of the world. Special treatment is given to the Philippines which includes its physical, economic, cultural, social and political development. The subject includes also the biological world, the problems encountered as a result of man's activities and the products of industrialization and nuclear age. *Credit: 3 units.*

NATURAL SCIENCE 32: Science, Technology and Society. This course deals with the interactions of science, technology and society to health. *Credit: 3 units.*

NATURAL SCIENCE 33A: Physics Mechanics. This course deals with the interactions between matter and energy. Specifically, it covers the fundamental concepts of mechanics. The topics include forces, motion, work, power, energy, impulse, momentum, waves, sound and heat. *Credit: 4 units. Laboratory work is required.*

NATURAL SCIENCE 40: Physics Electricity. This course deals with the fundamental concepts of electricity and magnetism. Topics include electric charge and electric field, Gauss's law, electric potential, capacitance and dielectrics, direct current circuits, magnetic field, electromagnetic induction, alternating current and electromagnetic waves. *Credit: 4 units. Laboratory work is required.*

NATURAL SCIENCE 35: Microbiology and Parasitology. This course deals with the morphology and physiology of bacteria, rickettsia, viruses, protozoa, fungi pleuro-pneumonia-like organisms and their role in infection and immunity. Their isolation and identification as an aid in laboratory diagnosis are given emphasis. *Credit: 4 units. Prerequisite: NSc 22. Laboratory work is required.*

NATURAL SCIENCE 36: Inorganic Chemistry. This deals with the properties of matter, its composition and structure, the changes that matter undergoes and the conditions that bring about these changes, and energy relationships that occur during these changes. *Credit: 3 units. Laboratory work is not required.*

NATURAL SCIENCE 41: Strategies of Health Education. The course includes discussions on health education concepts, principles, theories and strategies as they apply in the clinical and classroom situations. *Credit: 3 units. Prerequisite: Nur 26, Phi 36, Soc 22.*

NATURAL SCIENCE 42: Pharmacology (same as Nur 14).

DEPARTMENT OF HISTORY AND SOCIAL SCIENCES

HISTORY

HISTORY 11: A Survey of Philippine History. The course is a study of the history of the Filipino people from pre-colonial times to the present, with particular emphasis on the development of Philippine civilization, government and nationalism. The course includes a discussion of agrarian unrest and land reform. *Credit: 3 units.*

HISTORY 13: South and West Asia. This course is designed to provide a survey of the historical and cultural backgrounds of countries in Asia, particularly the South and West Asia. *Credit: 3 units.*

HISTORY 14. East and Southeast Asia. This course is designed to provide a survey of the historical and cultural backgrounds of countries in Asia, particularly the Far East and Southeast Asia. *Credit: 3 units.*

HISTORY 16. History of Asian Civilization. This course is a survey of the major Asian civilizations, namely, Indian, Chinese, Japanese, and Islamic civilizations from the prehistoric era to the modern times. *Credit: 3 units.*

HISTORY 17. Philippine History and Government. The course equips students with basic knowledge about the development of the Filipino nation and its cultural heritage. It also focuses on the study of the development, organization and operation of the Philippine political system with special emphasis on contemporary structures and dynamics in the context of the new Philippine Constitution. *Credit: 3 units.*

HISTORY 21: Philippine Revolution. This covers an in-depth study and analysis of the Philippine Revolution and its aftermath. *Credit: 3 units. Prerequisite: His 11.*

HISTORY 23: Rizal and the Development of Filipino Nationalism. The course is an in-depth study of the life, works, and writings of Dr. Jose Rizal, the country's national hero and martyr. Emphasis of the course shall on the role played by Rizal in the development of Filipino national consciousness, as gleaned from his two most important works, the *Noli Me Tangere* and *El Filibusterismo*, in their unexpurgated editions, and his other writings, poems, and essays. *Credit: 3 units.*

HISTORY 24: Introduction to Philippine Culture. This course is an introduction to Philippine culture from the pre-Spanish period to the present. *Credit: 3 units.*

HISTORY 26: United States History. This includes a survey of United States history, with special emphasis on the factors which aided its rise from a loose group of colonies to its present position as a major world power. *Credit: 3 units.*

HISTORY 28: History of Civilization. This course is a survey of cultural aspects of world civilization from the earliest times to the present. *Credit: 3 units.*

HISTORY 31: Ancient and Medieval History. This course is divided into two parts. The first part touches on the history and contributions of the ancient world to modern civilization and ends with the fall of the Roman Empire. The second part starts with medieval history and its contributions to modern civilization and ends with the discovery of America in 1492. *Credit: 3 units.*

HISTORY 32. Modern World History. This course is a survey of the historical and cultural aspects of world civilization from the sixteenth century up to the present. *Credit: 3 units.*

HISTORY 33: Modern Europe. The course covers three parts. The first part (1492-1815) is a survey of foundations of Modern Europe, dealing with the age of discovery and exploration, the commercial revolution, the Protestant Revolt and the Catholic Reformation, humanism, dynastic and colonial rivalries, the French Revolution and the era of Napoleon. The second part (1816-1913) touches on modern Europe with emphasis on the era of Metternich, the growth of democracy, the rise of communism, fascism, and the movements for international peace. The third part (1914-present) is a survey of contemporary Europe, the World Wars, the growth of communism and fascism, the League of Nations, the United Nations, the struggle between conflicting ideologies, and the problems of peace. *Credit: 3 units.*

HISTORY 34: Survey of Economic/Political History (same as Economics 24). This course includes a survey of economic history in general followed by an examination of Philippine economic history with emphasis on the inter-relationships between economic activity and political developments. *Credit: 3 units.*

HISTORY 35: Modern Philippine History. This course covers a study of Philippine history beginning with the period of the Philippine-American War as an aftermath of the Philippine revolution to the present. *Credit: 3 units. Prerequisite: His 11.*

HISTORY 37: Philosophy of History. This is a study of methodology, including such subjects as principles of historical criticism, annotation and transcription of source material, generalization, and the techniques of history and the social sciences. *Credit: 3 units.*

The course includes an examination of various philosophies of history, as well as such philosophical questions as the role and importance of ethics and

morality in the writing of history and the extent of which objectivity, if desirable, is possible in historical analysis. *Credit: 3 units.*

HISTORY 38: Building Bridges Across Social Science Disciplines. Covers varied presentations of integrative and interactive activities using the thematic approach to teaching of two or more social science disciplines. *Credit: 3 units. Prerequisites: Edu 20 and Edu 40.*

HISTORY 41: Fundamentals of Research and Research Designing (same as Education 51).

HISTORY 42: Thesis/Research Project (same as Education 52).

HUMANITIES

HUMANITIES 11: Exploring and Experiencing the Arts. This course seeks to stimulate the students' visual, emotional and intellectual awareness of our artistic heritage and acquaint them with the works of the great masters of art. It concentrates on appreciating, understanding and interpreting the creative, visual and performing arts (music, painting, architecture, sculpture, dance, and theatre). Arts of contemporary life will also be explored. Through the use of a variety of historical references and artistic materials, the student will become familiar with artistic motivation and the various modes by which men express their concept of what is beautiful and gain insight into ways people have explored their relationships with other human beings and with nature. *Credit: 3 units.*

HUMANITIES 12: GLOBAL CULTURE. This course surveys the important developments from pre-historic times to the present contemporary era. Emphasis is given to the rise and decline of great global civilizations, their lasting legacies to humanity, growth of nationalism, development of colonialism, decolonization, as well as global events, problems and conflicts of the present century. *Credit: 3 units.*

PHILOSOPHY

PHILOSOPHY 21: Logic. This deals with reaching conclusions and justifying conclusions - two kinds of reasoning. The role of logic in problem solving and decision-making processes. Comparison of deductive and inductive reasoning and justification. Practice in analysis, criticism, evaluation and construction of arguments. Emphasis on developing practical ability, with material drawn from real-life contexts. *Credit: 3 units.*

PHILOSOPHY 32: Ethics (Health) and Value Formation. This course deals with the general principles of ethics and its application to concrete human life. It examines man and all his dimensions as a person, his dignity, freedom, justice, love, truth in his relation with others and God, within the context of his

culture and society. Understanding this course, minimizes the present chaos of our society such as dishonesty, graft, criminality, etc. *Credit: 3 units.*

PHILOSOPHY 36: Philosophy of Man. This course deals with the philosophy of man using the existential – phenomenological approach. It presents the problems of man and solutions to these problems by various philosophers. Emphasis will be given on the Filipino notion of a person within culture and society. The objective of the course is to help the student acquire philosophical tools for reflecting on both the Philippine and global situation *Credit: 3 units.*

POLITICAL SCIENCE

POLITICAL SCIENCE 11: Introduction to Political Science. This course is a systematic study of politics in general and Philippine politics in particular. It deals with the fundamental concepts and methods of political analysis. Stress is laid on the nature of political behavior in the Philippines. It includes the theories and principles of politics, public opinion, political parties and election. *Credit: 3 units.*

POLITICAL SCIENCE 12: Philippine Government and the New Constitution. This course traces the development of the political and other allied institutions in the Philippines since Barangay days to its present form and systems. Emphasis is placed on understanding the present form of government based on the culture and temperament of our Philippine society. Actual observation of the different government institutions at work must be made on the predominant features of the new constitution: stewardship, command responsibility and accountability. *Credit: 3 units.*

PSYCHOLOGY

PSYCHOLOGY 11. Elementary Psychology. This course is designed to introduce the students of 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 in order to understand the different aspects of human behavior. *Credit: 3 units.*

PSYCHOLOGY 12 (same as Psychology 11).

SOCIAL STUDIES

SOCIAL STUDIES 11: Basic Geography: A study of the earth's surface and its physical and natural attributes, and its relation to society and development. *Credit: 3 units.*

SOCIAL STUDIES 12: Geography of the Philippines. A study of the basic geographic features and regions of the Philippines to enable the students to

understand the different physical and cultural processes that were instrumental in shaping the country. *Credit: 3 units. Prerequisite: Social Studies 11.*

SOCIAL STUDIES 14: World Geography. An overview of the diversity of interconnections of people and places in a globalizing world as mediated by cultures, politics, and historical developments. *Credit: 3 units. Prerequisite: Social Studies 11.*

SOCIAL STUDIES 24: World History and Civilization 1. A study of the importance of the social, political, and economic history of the world from ancient times to the present. It also identifies the major contributions of great civilizations, the emergence of nations, geographical and industrial discoveries and other factors that have shaped contemporary life. *Credit: 3 units.*

SOCIAL STUDIES 25: World History and Civilization 2. A study of the age of scientific, political, social and economic changes that brought about modern civilization. It also brings about an understanding of modern conflicts and their causes. *Credit: 3 units. Prerequisite: Social Studies 24.*

SOCIAL STUDIES 27: Teaching Social Studies. An in-depth study of the different teaching approaches in secondary social studies with emphasis on innovative approaches, strategies, and techniques in teaching and learning the subject. *Credit: 3 units. Prerequisite: Edu 19.*

SOCIAL STUDIES 28: Scientific Reasoning and Critical Thinking. A study of certain methodological components of the social sciences as tools in explaining certain phenomena and the understanding of logical reasoning and critical thinking. *Credit: 3 units. Prerequisite: Eng12.*

SOCIAL STUDIES 29: Comparative Government and Politics. A comparative study of five selected models of political systems as to government structure, organization, function, operation and politics. *Credit: 3 units.*

SOCIAL STUDIES 30: Socio-cultural Anthropology. A study of the origin of people and their communities. Emphasis is placed on the concepts that are interrelated and unified by understanding the development of society and culture. *Credit: 3 units.*

SOCIAL STUDIES 33: A Preparation and Production of Instructional Materials. This course equips the students majoring in Social Studies with the competencies in the preparation, development and production of instructional materials for an in classroom tending to make sure the learning of social studies content interesting and meaningful for the students credit units:3 Prerequisite: Edu 19

SOCIAL STUDIES 35: Trends and Issues in Social Studies. A study of peace, global and environmental issues, human rights, gender, multicultural issues in the national and global context. *Credit: 3 units. Prerequisite: Social Studies 27.*

SOCIAL STUDIES 37: Contemporary Philippine Social Problems. A study of the various social problems confronting the Filipino people and what are presently being done to address these problems. *Credit: 3 units. Prerequisite: 4th Year Standing.*

SOCIOLOGY

SOCIOLOGY 21. General Sociology. This course deals with the principles underlying the study of society and social problems and attempts to explain social life by the inter-action of the four factors of heredity, geographical environment, the group and culture. It includes Philippine cultural values, social stratification and institutions as well as family planning and social reforms. It also includes the transmission, prevention and control of AIDS. *Credit: 3 units.*

SOCIOLOGY 22 (same as Sociology 21).

COMPUTER STUDIES

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

COMPUTER SCIENCE 15: Introduction to Information Management. This course deals with the study of the elemental concepts of information technology (IT) and information management (IM). It aims to introduce IT on the study, design, development, implementation, support or management of computer-based information systems, particularly software applications and computer hardware. This will also progress the expertise of students to the advanced features of open source software office automation tools in word processing, spreadsheet, and graphic presentations. *Credit: 3 units.*

COMPUTER SCIENCE 16: Integrated Application Software. This course aims to extend and build upon the student's basic knowledge of standard office automation tools and introduces them to basic database management, the Internet, and web page authoring concepts. It teaches students how to create and modify useful databases using modern database management systems, as well as create and edit quality reports and queries for the databases. It also touches on Internet and basic web page development using HTML. Concepts relating to Internet services and web page design are integrated and reinforced through a series of hands-on exercises. *Credit: 3 units.*

COMPUTER SCIENCE 34: Object-Oriented Programming II. The course reinforces the concepts discussed in Computer Science 28. It covers the portions of

object oriented programming (OOP) that are supported by Visual Languages. The art and style of OOP programming using an IDE interface is introduced to the students with emphasis on manipulating built-in objects, code reusability and code extendibility. *Credit: 3 units. Prerequisite: CSc 28.*

COMPUTER SCIENCE 35: Principles of Data Communication. The course covers the basic theories governing data communication systems. Topics include data transmission fundamentals, asynchronous and synchronous communication techniques, error handling techniques, communication standards, and common PC communication interfaces. *Credit: 3 units. Prerequisite: CSc 25 and CSc 22.*

COMPUTER SCIENCE 37: Data Structures and Algorithms. The course teaches data structures and design of algorithms. It includes topics about data types, records, arrays, pointers, text files, abstract data types like list, stack and queue. The application of procedures and functions is done through program development. *Credit: 5 units. Prerequisite: CSc 25.*

COMPUTER SCIENCE 41. Principles of Information Systems Development I. This course presents an introduction to the fundamental concepts and issues relevant to the successful development, management, and use of organizational Information Systems (IS). It provides an understanding and application of system analysis and design processes. The Systems Development Life Cycle (SDLC) and related methodologies are described with corresponding case studies. *Credit: 3 units. Prerequisite: CSc 36 and CSc 44.*

COMPUTER SCIENCE 42. Principles of Information Systems Development II. This course presents various methodologies used in developing an information system. Topics include application development strategies and application system development management. Students will be trained on individual behavior and group dynamics in the development process of an information system, its implementation and operation, systems construction, testing, and system operations and support. *Credit: 3 units. Prerequisite: CSc 41.*

COMPUTER SCIENCE 43. Network Technologies. The course covers the concepts needed in the design, implementation, and management of computer networks. Along the way, the course also cover topics like Wide area and Local area networking, peer-to-peer and wireless applications networking, network topologies, network standards and protocols, and software and hardware management of network. *Credit: 3 units. Prerequisite: CSc 35.*

COMPUTER SCIENCE 48. Practicum. The course is designed for students who are on their senior year in college. Students are assigned in different institutions/establishments/companies or the like to accumulate no less than 320 hours of actual practice. The program aims to familiarize students with the IT

environment, gain insights and experience on actual job, integrate the theories/principles and concepts learned with actualities in the information technology world. *Credit: 6 units. Prerequisite: CSc 41.*

COMPUTER SCIENCE 49. Systems Management and Administration (formerly ITC 45 - Open Database Connectivity). The course provides students with a deeper understanding of the process of installing, configuring and administering a multi-tier development environment. Emphasis is given to web and database server administration to develop student's skills in supporting and maintaining servers involved in providing Web-based solutions. It also touches on server-side scripting solutions as well as set-up options with various critical configuration items including information system security issues such as system logging, network services security, and other topics which are designed to help administrators ensure that their computer systems and data are secure. The Apache-MySQL-PHP (AMP) tandem package will be used for actual laboratory exercises. *Credit: 3 units. Prerequisite: CSc 34 and CSc 44.*

INFORMATION TECHNOLOGY 16: Discrete Structures. This course deals with the study of mathematical structures and objects in finite mathematics. This course also aims to introduce students on problem solving practices, logic, sets, recursion, relations, and functions. Students will be exposed to the concepts and notations of discrete mathematics to help them study and describe problems in algorithmic expressions and programming languages. *Credit: 3 units. Prerequisite: Mat 11.*

INFORMATION TECHNOLOGY 18: Advanced Programming. This course teaches the students to advance programming models through the process of writing, testing, and maintaining source codes 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. *Credit: 3 units. Prerequisite: ITC 25.*

INFORMATION TECHNOLOGY 20: Management Information System (same as Computer Science 23). The course defines the importance of computer-based information systems and its role in the organization. It introduces students to quality assurance standards and practices that enable organizations to implement high quality and productive Information System applications, resources, and operations. Information System Principles as well as Information Resource Management practices are reviewed and applied to different organizational problems. The course also teaches professional ethics and intellectual property rights for Filipino IT professionals. As a prerequisite for passing the course, students are required to attend at least one seminar on the latest

issues and trends in Information Technology. *Credit: 3 units. Prerequisite: CSc 16 and Mgt 21.*

INFORMATION TECHNOLOGY 21. Advanced Database Management (formerly Information Technology 36) (same as Computer Science 36). This course introduces the use of Structured Query Language (SQL) in client/server database architecture. The concepts and history of SQL will be discussed including the various DBMS applications. The course also teaches techniques in using SQL like Embedded SQL, SQL Modules, and API (Application Programming Interface). Programming will be done using previously studied relational and object-oriented DBMS applications. *Credit: 3 units. Prerequisite: Information Technology 22 and Information Technology 38.*

INFORMATION TECHNOLOGY 22. Database Management System. The course is intended to provide students with a solid understanding of modern database management systems. It covers topics such as 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. *Credit: 3 units. Prerequisite: ITC 25.*

INFORMATION TECHNOLOGY 25. Introduction to Programming. (same as Computer Science 25) The course introduces students to the art of computer programming. It covers fundamental concepts and terminologies of application development as well as an overview of the software development process. The course also introduces important programming constructs as well as problem solving techniques and program logic formulation. Through hands-on exercises using a procedural programming language and actual error-handling and debugging, students are encouraged to develop their own programming style and skills in writing simple computer programs. *Credit: 3 units.*

INFORMATION TECHNOLOGY 28: Principles of Operating Systems. The course examines the fundamental roles of an operating system in relation to the operation of computer applications. It will study the essential theory of general-purpose operating systems. Students will have a clear understanding of the major components and concepts of today's modern operating systems. The subject topics include the theory and concepts of and the specific implementations of operating systems using DOS, Windows, Linux, etc. *Credit: 3 units. Prerequisite: ITC 39.*

INFORMATION TECHNOLOGY 29. Multimedia Development. The course deals with designing and creating multimedia websites. It introduces students to the use of various open-source authoring applications for structuring web pages, assembling images, text, animations, and the use of sound to enhance web pages.

Throughout the semester students are encouraged to apply the principles they have learned to the needs of their personal practice. *Credit: 3 units. Prerequisite: CSc 16.*

INFORMATION TECHNOLOGY 32. Web-based Technologies (Same as Computer Science 44). This course presents the student with the comprehensive details of building a Web-based application, from building the front-end with HTML to invoking a back end script with scripts written in an open-source development tool. The course also touches on implementing data validation with a client-side scripting language. *Credit: 3 units. Prerequisite: ITc 22, ITc 29, and ITc 38.*

INFORMATION TECHNOLOGY 38: Network Management. This course introduces the theories of data communications and advanced concepts in computer network technologies. General topics include data communications modeling and simulation, network security, network management, multimedia networking and mobile and wireless data communications. *Credit: 3 units. Prerequisite: ITc 39.*

INFORMATION TECHNOLOGY 39. Computer Systems Organization. The course introduces students to the structure and function of the internal components of a computer. Topics include computer interconnection structures, machine program sequencing, and microprocessor architecture. Actual laboratory exercises include assembly/ disassembly of a computer unit as well as installation of various plug and play peripherals. *Credit: 3 units. Prerequisite: ITc 18.*

INFORMATION TECHNOLOGY 44. Software Engineering. The course discusses the principles, techniques and tools used to effect the orderly production of medium and large scale computer software. It tackles problem-solving concepts as applied to software development and quality process modeling. It also discusses software integration, testing, and documentation. These techniques will be applied to programming projects with students working in teams and managing all phases of programming project. Social, professional, and ethical issues will be discussed. *Credit: 3 units. Prerequisite: ITc 52.*

INFORMATION TECHNOLOGY 46. Electronic Commerce (same as Computer Science 46). The course provides information in conducting business electronically to prepare the students for tomorrow's demand and to nurture and to mold productive citizens of knowledge society. Alongside the international nature of e-commerce, this course also discusses the legal and ethical issues that students need to be aware of. It also introduces the use of web page authoring software to enable students to create and develop/customize a web page and to register and promote a web site. *Credit: 3 units. Prerequisite: ITc 20.*

INFORMATION TECHNOLOGY 50: Project Management. This subject is designed to prepare students to work in a project team environment. They will be

equipped with general project management skills to help deal with problems that can occur in the future of the IT industry as it continually invests in technical projects, and workers with these skills continue to be in demand today. Students gain practical experience of using project management techniques, through the use of a software tool and a real project. The course topics include project initiation, risk, estimating and contracts, planning, human factors, project execution, and standard methods. *Credit: 3 units. Prerequisite: ITc 51.*

INFORMATION TECHNOLOGY 51. Systems Analysis and Design I. The course is concerned with the analysis of information systems. Introductory topics deal with system concepts, overview of system analysis and design methodologies and other current issues and trends. The course will tackle various techniques in data gathering. It introduces the students to different modeling tools like data flow diagrams, data dictionary, decision trees and E-R diagrams. It will also include methods of conducting cost benefit analysis. Project studies will be made to integrate all methodologies. Database Design will also be discussed. *Credit: 3 units. Prerequisite: ITc 33 and ITc 22.*

INFORMATION TECHNOLOGY 52. Systems Analysis and Design II. The course builds upon the system analysis and design topics discussed in ITC 51. Emphasis is on the I/O design and implementation of information systems. Design tools and techniques are discussed and applied through the creation of prototype systems. Other topics covered are: database design, creation of user and systems manual, system installation and system maintenance. *Credit: 3 units. Prerequisite: ITc 51.*

INFORMATION TECHNOLOGY 53: IT-On the Job Training. The IT Practicum course consists of a semester-long direct experience of the students in a workplace setting. This is an opportunity to gain experience professional expectations and explore working situations commonly encountered by Information Technology professionals. They will also gain first hand knowledge in dealing with the constant state of change prevalent in the field. *Credit: 9 units. Prerequisite: ITc 50 and ITc 52.*

INFORMATION TECHNOLOGY 55: Systems Analysis and Design. The course deals with the analysis and design of information systems. Introductory topics include system concepts, SAD methodologies, IT current issues and trends. Main topics include various techniques in data gathering, different modeling tools (DFD, Data Dictionary, Decision Trees and ERD). It includes methods of conducting Cost & Benefit Analysis, Database Design, and techniques in the creation of prototype systems. Concluding topics are the creation of user and systems manual, system installation and system maintenance. *Credit: 3 units. Prerequisites: ITc 57 and ITc 38.*

INFORMATION TECHNOLOGY 56: Information Technology Professional Ethics. This course introduces ethics and ethical theories. It equips the students on discussions on the ethical dilemmas and issues facing IT practitioners. The course discusses an appreciation and discussion of the Code of Ethics of I.T. Professionals; cybercrimes and appropriate Philippine Laws. *Credit: 3 units. Prerequisite: CSc 15.*

INFORMATION TECHNOLOGY 57: Object-Oriented Programming (formerly ITC 33) (same as Computer Science 28). The course introduces students to a different art and style of programming known as Object-Oriented Programming (OOP). Emphasis on the basics of OOP components, techniques, and style will be reinforced through extensive practice in writing, running and debugging programs. Java will be taught during lectures and used as the language for programming exercises. *Credit: 3 units. Prerequisite: ITc 18.*

INFORMATION TECHNOLOGY 58: Technology Entrepreneurship and Innovation. The course provides an overview of the major elements of technology entrepreneurship and innovation, which includes evaluation and planning of new business, financing, team building, typical marketing and operational management issues, alternative models for revenue and growth, and exit strategies. Students will be prepared in the skills needed to manage both a small business start-up as well as the on-going operation of a firm. They will learn to work effectively in an ever-changing business environment typical of information technology sector. *Credit: 3 units. Prerequisite: ITc 52.*

INFORMATION TECHNOLOGY 59: 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 systems proposal where students have followed standards of the creation of an information systems project & program development. *Credit: 3 units. Prerequisite: ITc 55.*

INFORMATION TECHNOLOGY 60: IT Project 2. This course is a second phase of IT Project 1 where students are expected to present the information system study to ensue the models of the software development life cycles which includes 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. *Credit: 3 units. Prerequisite: ITC 59.*

INFORMATION TECHNOLOGY 63: Object Oriented Program Design and Development (formerly ITC 23). This course provides students with the knowledge and skills to begin supporting data and network security within an

organization. It teaches them to identify security threats and vulnerabilities, and help respond and recover security incidents. It also examines privacy issues related to the safeguarding of sensitive information; policy and social questions concerning the value of security and privacy regulations in the real world effects of data breaches on individual and businesses, and the balancing of interest among individuals, government, and enterprise. *Credit: 3 units. Prerequisite: ITC 57.*

INFORMATION TECHNOLOGY 64: Data Security (formerly ITC 54). This course provides students with the knowledge and skills to begin supporting data and network security within an organization. It teaches them to identify security threats and vulnerabilities, and help respond and recover security incidents. It also examines privacy issues related to the safeguarding of sensitive information; policy and societal questions concerning the value of security and privacy regulations in the real world effects of data breaches on individuals and businesses, and the balancing of interests among individuals, government, and enterprises. *Credit: 3 units. Prerequisite: ITC 38.*

INFORMATION TECHNOLOGY 65: Free Elective I (Subject Area: Programming) (formerly ITC 15). This course specializes on application and/or web development and basic philosophies of a detailed study of modern programming languages. It provides students' exposure to certain trends applied in the ICT society in conjunction with the department's industry partners. *Credit: 3 units.*

INFORMATION TECHNOLOGY 66: Free Elective III (Subject Area: Software Development) (formerly ITC 30). This course covers variety of web/or application programming languages with computer architecture, system design and analysis, and design access and management of databases through the development of software. *Credit: 3 units.*

INFORMATION TECHNOLOGY 67: Free Elective II (Subject Area: Information System) (formerly ITC 12). This course improves core competencies in database and information systems design, and in operating systems and networks. *Credit: 3 units.*

ANIMATION AND GAME DEVELOPMENT 11. Basic Drawing. This is an introductory course in the fundamentals of drawing and sketching. The subject will be based in experience and observation, exploring various techniques and media in order to understand the basic formal vocabularies and conceptual issues in drawing, proper handling of drawing instruments and materials; subject matter will include lettering, line drawing, and sketching. *Credit: 3 units.*

ANIMATION AND GAME DEVELOPMENT 13. Graphic Design. This course explores the fundamental concepts of graphic design and visual communication.

Basic concepts, principles and elements of design are reinforced through creative problem solving. Text and visual elements such as photos and illustrations are integrated to create appropriate and aesthetic solutions to print graphic problems. *Credit: 3 units.*

ANIMATION AND GAME DEVELOPMENT 14. Vector Graphics. This course will introduce the student to the vector art applications using techniques for creating vector art, design, illustration, and animation, inkscape will cover beginning and intermediate lessons including basic shapes, stroke, fill, gradients, pen tool, brushes, transforms, type, and layers. To this end the student will become proficient in the use of these industry leading applications and will be able to create original art. Equal emphasis will be placed on the development of professional work practices, creative problem solving techniques and critical thinking skills. *Credit: 3 units. Prerequisite: AGD 13.*

ANIMATION AND GAME DEVELOPMENT 16. Advanced Drawing. This course will further advance the students understanding of drawing techniques introduced in Basic Drawing. Creative expression will be explored through the use of new and varied subject matter, techniques, and drawing implements. This course will broaden students' understanding of Art History, criticism, and aesthetics. This is an advanced course in which an ambitious and dedicated approach is expected. *Credit: 3 units. Prerequisite: AGD 11.*

DEPARTMENT OF ENGINEERING

ENGINEERING 11: Engineering Drawing I. This course covers discussions and exercises on the basic engineering drawing concepts including the proper use of engineering drawing instruments, mechanical lettering, and line techniques, basic sketching and drawing, orthographic projections, isometric drawing and sectioning. *Credit: 2 units.*

ENGINEERING 12: Engineering Drawing II. This is a course on basic Computer Aided Design/Drafting (CAD). It covers basic CAD fundamentals and exercises on creating, editing and plotting of basic engineering drawings. This course will use popular CAD software package extensively to illustrate the different concepts. *Credit: 2 units. Prerequisite: Egr 11.*

ENGINEERING 13: Circuits I. This course is an introduction to the basic concepts of electricity and electronics. It discusses the fundamental laws, theorems, and basic techniques on circuit analysis. Topics include a review of series and parallel resistances, simple circuits in electrical engineering, DC circuit analysis techniques (Nodal Analysis, Mesh Analysis, Superposition, Source Transformation, and Thevenin's Theorem), and analysis of special circuits. *Credit: 5 units. Prerequisite: Mat 54 and NSc 34.*

ENGINEERING 14: Circuits II. The course is a continuation of Circuits I. it discusses the different techniques used in the analysis of AC circuits. Topics include phasor algebra and sinusoidal steady state response, impedance and admittance. AC circuit analysis techniques, average power and RMS values. AC power calculations and power factor correction, three phase circuits, and transformers. *Credit: 5 units. Prerequisite: Egr 13.*

ENGINEERING 15: Mechanics I. This course covers the mechanics of rigid bodies specifically in the area of statics. Topics includes free-body concepts, resultants and equilibrium of force systems, analysis of frames and trusses, frictions, centroids and center of gravity, and moments of inertia. *Credit: 3 units. Prerequisite: Mat 42-NC/Mat 54-NC and NSc 11-NC/NSc 33-NC.*

ENGINEERING 16: Mechanics II. This course is a continuation of the course of Engineering Mechanics I. It deals with the general principles of dynamics or bodies in motion. Topics include motion of particles and rigid bodies, mass and acceleration, work and energy, impulse and momentum. *Credit: 2 units. Prerequisite: Egr 15.*

ENGINEERING 17: Data Structures and Algorithm Analysis. The course teaches methods of organizing data; design of algorithms for efficient implementation and manipulation of linear data structures. such as arrays, stacks, queues, linked lists. Non linear data structures such as generalized lists, trees and graphs are also covered. Operations are covered using algorithms such as insertions, deletions and traversals. *Credit: 5 units. Prerequisite: CSc 25.*

ENGINEERING 18: Electronics I. This is an introductory course in electronics. It introduces the basic electronic devices and components with emphasis on semiconductor electronics, diode and transistor circuits. Topics include diode circuit analysis, diode applications, transistor biasing, small signal analysis, and transistor amplifiers. *Credit: 5 units. Prerequisite: Egr 13.*

ENGINEERING 19: Electronics II. This course is a continuation of Electronics I. The course includes an introduction to logic circuit analysis, which is basically a study of the switching characteristics of transistor. A major portion of this course discusses the principles of operational amplifiers and their applications in computer engineering. *Credit: 5 units. Prerequisite: Egr 18.*

ENGINEERING 20: Computer Hardware Fundamentals. The course provides an introduction to microcomputer system hardware, operating system, 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 equipments are emphasized on this course. *Credit: 2 units. Prerequisite: CSc 15.*

ENGINEERING 21: Electromagnetics. The course covers the basic theories of electric and magnetic fields. Topics include vector analysis, electric field intensity, electric flux density, energy and potential, steady electric and magnetic fields, conductors, dielectrics, capacitance, magnetic forces, time varying fields and Maxwell's equations. *Credit: 3 units. Prerequisite: Mathematics 42 and Natural Science 12.*

ENGINEERING 22: Thermodynamics. This course is a study on the fundamental concepts of thermodynamics. Topics include the basic principles of energy, laws of thermodynamics, ideal gas laws, the different gas cycles, and other thermodynamics processes and cycles. *Credit: 3 units. Prerequisite: Mathematics 42 and Natural Science 12.*

ENGINEERING 24: Material Science. This course is a study of engineering materials technology. Topics include the nature and family of materials, structure of solid materials, properties of materials (mechanical, chemical, electrical, magnetic, optical and thermal properties), and electronic related materials. *Credit: 3 units. Prerequisite: NSc 24.*

ENGINEERING 25: Logic Circuit and Switching Theory. This course focuses on digital systems design; introduction to switching algebras, overview of integrated circuit technologies, analysis and synthesis of combinational circuits, sequential circuits, sequential circuit synthesis. *Credit: 5 units. Prerequisite: Egr 18.*

ENGINEERING 26: Advanced Logic Circuit and Switching Theory. This course is a continuation of Logic Circuit and Switching Theory. Topics include registers, counters, memory devices, algorithmic state machines, analysis and design of asynchronous sequential circuits, and digital integrated circuits. The course also gives emphasis on the use of hardware description languages (HDLs) and implementation using Field Programmable Logic Array (FPGA). Popular simulation tools will be used in the laboratory. *Credit: 5 units. Prerequisite: Egr 25.*

ENGINEERING 27: Computer Organization with Assembly Language. This course is about the structure and function of computers. It also gives an introduction to assembly language programming. Topics includes computer interconnection structures, machine program sequencing, microprocessor architecture, instruction sets, assembly language program development, assemblers and interrupts. The Intel microprocessor will be used to illustrate the various concepts. *Credit: 5 units. Prerequisite: Egr 17.*

ENGINEERING 28: Principles of Communication. This course considers the theory and techniques used by a wide range of communication systems. These includes communication systems, transmission media, spectral analysis of signals,

noise and distortion, methods and analog and digital modulation, multiplexing systems, telephony, introduction to information theory. *Credit: 3 units. Prerequisite: Egr 19.*

ENGINEERING 29: Strength of Materials. The course deals with the relations between externally applied loads and their internal effects on bodies. Topics include elementary stress and strain analysis, torsion, shear and moment, beam deflections, combined stresses, intermediate beams, and elastic instability. *Credit: 3 units. Prerequisite: Engineering 16.*

ENGINEERING 31: Structure of Programming Languages. This course is about the basic structures of programming languages. Topics include elements of programming language, data types and structures, procedure activation, data encapsulation, inheritance, functional programming and logic programming. *Credit: 3 units. Prerequisite: Egr 17.*

ENGINEERING 32: Operating System. Covers the concepts and approaches in the design and construction of modern computer operating system. It includes the study of operating system structures, process management, threads, CPU scheduling, process synchronization, deadlocks, memory management, virtual memory, files system, distributed structures, protection and security. *Credit: 5 units. Prerequisite: Egr 17.*

ENGINEERING 33: Data Communication. The course includes theory and components of data communication systems. Topics includes: data transmission techniques, communication error detection and correction; computer communication interfaces and adapters, telephone system interfaces. *Credit: 3 units. Prerequisite: Egr 28.*

ENGINEERING 34: Computer Architecture. The course includes the review of basic computer organization, theory and principles of computer design. Data representation; processor organization; ALUs, bus and stack organizations; design of CISC and RISC, instruction sets and micro-program instruction sets. ALU, shifter, I/O, memory. *Credit: 3 units. Prerequisite: Engineering 27.*

ENGINEERING 35: Control Systems. This is a course on the theories involve in process control systems. Topics include basic control concepts, functional structure of feedback, control transfer functions, measurements, controllers, process dynamics, equilibrium equations, sensitivity and stability criteria, and compensation techniques. *Credit: 3 units. Prerequisite: Egr 14.*

ENGINEERING 36: Engineering Management. A course that deals with the basic principles of engineering management and organization. It attempts to facilitate understanding of managerial functions with practical insights and applications. *Credit: 3 units. Prerequisite: Egr 49.*

ENGINEERING 37. Microprocessor Systems. The course discusses the design and use of microprocessor-based systems and how microprocessors can be used in the development of control systems. Topics include survey of microprocessor organizations, bus standards, development of the CPU module, memory interfacing techniques, I/O interfacing and I/O control programming techniques. Microcontroller architecture and programming techniques will also be covered. *Credit: 5 units. Prerequisite: Egr 34 /Egr 66.*

ENGINEERING 38: Microprocessor II. The course focuses on external interface to the computer system. Topics include microprocessor organization, Assembly language programming, memory interfacing and timing, programmable peripheral interface, timer, interrupts and programmable interrupt controller, and serial data communication. *Credit: 5 units. Prerequisite: Egr 37.*

ENGINEERING 41. Digital Signal Processing. The course includes the fundamental concepts and practical applications of Digital Signal Processing. Topics includes principles of signal processing, including discrete-time signals and systems, the z-transform, sampling of continuous-time signals, transform analysis of linear time-invariant systems, structures for discrete-time systems, the discrete Fourier transform, computation of the discrete Fourier transform, and filter design techniques. *Credit: 4 units. Prerequisite: Engineering 14, Mathematics 44.*

ENGINEERING 42: Computer Networks. The course discusses the principles, design and implementation of computer networks. Topics include: Internet protocols and routing, LAN and WAN technologies, TCP, performance analysis, congestion, switching and routing, mobile IP, peer-to-peer overlay networks, network security, packet forwarding, host to host communication, network administration, network management and security. *Credit: 3 units. Prerequisite: Egr 33.*

ENGINEERING 48: Seminars and Field Trips. The course requires students to attend different seminars and lecture on current topics on computer science and computer engineering development. They will also go on field trips to different companies and plants dealing with computers and related fields. *Credit: 2 units. Prerequisite: Egr 47.*

ENGINEERING 49: Engineering Economy (Same as Engineering 46). The course deals with the economic aspect of engineering. Topics include basic principles of accounting, interests and interest rates, time value of money, inflation, depreciation, capital investment decision criteria and break even analysis. *Credit: 3 units.*

ENGINEERING 51: CpE Elective I (Subject Area: Embedded Design).

This course aims to provide an introduction to embedded systems design as both hardware and software in a unified view. *Credit: 3 units. Prerequisite: Egr 25 and Egr 27.*

ENGINEERING 52: CpE Elective II (Real Time Systems). This course aims to acquaint students with the fundamentals of real time systems- RTOS: definitions, requirements, design issues and applications into embedded design. *Credit: 3 units. Prerequisite: Egr 17 and Egr 27.*

ENGINEERING 53: Environmental and Safety Engineering. This course discusses the principles and practice of safety and accident prevention in the computer engineering workplace and products. Topics include chemical safety; Electrical safety to include TVSS and grounding electrostatic discharge; personnel Safety/Health including Worker Protection and Introduction to Ergonomics; environmental related safety measures such as water and energy consumption; EMI/EMC; SOLAS. *Credit: 3 units. Prerequisite: NSc 26.*

ENGINEERING 54: Control Systems Analysis and Design. The course includes the analysis and design of continuous-time and discrete-time control systems using classical and state-space methods. Topics includes; Laplace transforms, transfer functions and block diagrams, transient response analysis, Routh-Hurwitz stability criterion, and steady-state error analysis, root-locus and frequency-response methods. Simulation evaluations will be performed using popular scientific calculation tool. *Credit: 4 units. Prerequisite: Egr 14 and Mat 44.*

ENGINEERING 55: Methods of Research (Design Project I). The course provides essential ideas, concepts and principles in methods of research as well as the important skills needed by the researcher in various techniques and procedures in the correct preparation and presentation of research report. Required output is a project proposal. *Credit: 2 units. Prerequisite: Egr 34/Egr 66.*

ENGINEERING 56: Computer Networks and Applications. The course discusses the fundamental principles in the design and implementation of computer networks. It includes: various networking topologies and architecture, network protocols & devices, routing fundamentals, TCP/IP, WAN standards and techniques, performance analysis, network administration, network management and security. This is a lab-based course which aims to provide students with knowledge on fundamental computer networking issues through hands-on experiments with network equipment and services. *Credit: 4 units. Prerequisite: Egr 33.*

ENGINEERING 58: I/O and Memory Systems. The course focuses on organization and architecture of microcontrollers. Topics include microcomputer programming, component and system architecture, memory interfacing, parallel

and serial I/O interfacing, A/D and D/A conversion, and typical applications. *Credit: 4 units. Prerequisite: Egr 37.*

ENGINEERING 60: Test and Quality Assurance. The course includes total quality management principles, quality standards, hardware/software configuration management, quality metrics, designing measurement programs, reliability models, data quality control and hardware/software testing. *Credit: 2 units. Prerequisite: Egr 37.*

ENGINEERING 62: CpE Elective III (Mobile Computing). This course will introduce students to developing applications which target mobile devices. Students will be introduced to many issues unique to mobile applications, including synchronization, remote data access, and security. *Credit: 3 units. Prerequisite: Egr 52.*

ENGINEERING 64: Design Project (Formerly Engineering 44). A course in which individuals or small teams use the principles of computer engineering in the design, building and testing of special circuits or simple systems preferably a microprocessor based control system. *Credit: 2 units. Prerequisite: Egr 37.*

ENGINEERING 66: Computer System Architecture. This course discusses the fundamentals of computer design and performance, cost issues instruction set design principles, memory hierarchies: registers, caches, and virtual memories, basic processor implementation issues. High performance computing issues such as pipelining, superscalar, and vector processing. Input/output subsystem, interleaved memory, and caching. Includes analytic and simulation models of architectural features that implement or support parallel processing. *Credit: 4 units. Prerequisite: Egr 27.*

ENGINEERING 68: Systems Analysis and Design. A course in computer-based information systems which discusses the foundations of information science, techniques for system development, information architectures, and resource allocations. Case studies are discussed and utilized as class projects. *Credit: 3 units. Prerequisite: Egr 17 and CSc 28.*

DEPARTMENT OF HOSPITALITY AND TOURISM MANAGEMENT

HRM 11: Introduction to Hospitality Management. The course presents overview of hospitality and tourism industry and shows how businesses within the industry are interrelated. It includes major segments like private club operations, cruise lines, gaming, casino, and career opportunities. It also covers the organization of operation, operating departments, and future trends in the hospitality industry. *Credit: 3 units.*

HRM 12: Rooms Division Operation and Management. The course is designed to provide the student with an understanding of the basic functions, procedures and management of front office and housekeeping operating departments. *Credit: 3 units. Prerequisite: HRM 18 and HRM 38.*

HRM 14: Principles of Food Selection and Preparation. This course aims to provide the students with practical and theoretical knowledge about basic culinary, basic food preparation and presentation. Hands-on training program in food handling, production, portioning and garnishing is provided. *Credit: 3 units. Prerequisite: HRM 21.*

HRM 15: Principles of Tourism I. This course deals with the comprehensive view of the different aspects of tourism. The importance and contribution of tourism to the countries economic, political and social development. Students are further introduced to the principles, concepts, history, organization, operation and career opportunities of tourism. *Credit: 3 units.*

HRM 16: Principles of Tourism 2. This course deals with the tour operation and management, both outbound and inbound tourist. The study includes local and international geography, and familiarity with major tourist destination areas both local and international. This will also cover various roles of our tour guides, importance of education in guiding, qualities, speaking skills of an ideal tour guide, conducting tours, the guiding business, professional ethics in guiding, and major trends. *Credit: 3 units. Prerequisite: HRM 15.*

HRM 18: Front Office Procedures. This course is designed to develop departmental and guest communication skills that include front office greeting, transition, registration, check-in, methods of payment, concierge, PBX (Private Branch Exchange), PBX operator, guest service attendant, group arrivals, departures, checkout, and value added services. *Credit: 3 units. Prerequisite: HRM 11.*

HRM 20: Western Cuisine. This course is designed to understand the culinary arts, and culture from various region 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 use of ingredients. *Credit: 3 units. Prerequisite: HRM 14.*

HRM 21: Sanitation, Hygiene and Environmental Concerns. The course deals with sanitation principles and practices. Methods and techniques for handling foods safely are examined. HACCP (Hazard Analysis Critical Control Points) standards are given emphasis in food storage, handling, production and service. *Credit: 3 units.*

HRM 29: Food and Beverage Service. This course is designed as a basic training aid for food service staff involved in food and beverage industry. This

study develops student positive hospitable attitude and technical skills ability. The topics include food service equipment, food and beverage product knowledge, menu terminology, styles of service, service procedures, beverage product knowledge, beverage service procedures, room service, functions operations, clearing the table, and end of service procedures. *Credit: 3 units. Prerequisite: HRM 14.*

HRM 30: Food and Beverage Control System. This course is designed to make food and beverage operation profitably successful. It explains in detail the process of forecasting, budgeting, menu planning, purchasing, and inventory controls. *Credit: 3 units. Prerequisite: Acc 14 and HRM 29.*

HRM 32: Tour Planning and Development. This course present overview of tourism planning process, contemporary models of tourism planning and development with emphasis on sustainable tourism principles, various levels of tourism planning, roles and responsibilities of stakeholders such as government, industry, non-government organizations, and local communities. The course also discusses the impact of the General Agreement on Trade and Services on Philippine Tourism. This includes legislation and government policies on tourism development at the national and local levels. *Credit: 3 units. Prerequisite: HRM 16.*

HRM 33: Bakery Science with Cake Decoration. This course is a complete guide of baking and pastry techniques, formulas, and presentation using specialized equipment and products, fermentation principles, and ingredient variations for yeast dough. Students are expected to expose in a wide range of production techniques for pastry dough, batters, quick breads and cakes, cookies, creams and custards, glazes and sauces, and assembled cakes, tortes and cake decorating. *Credit: 3 units. Prerequisite: HRM 14.*

HRM 37: Bar Operation and Management. This course aims to guide how to run and manage a bar operation for maximum profit pertaining to beverage procurement, costing, pricing, and creating significant marketing strategies for its profitability. The topic includes history of cocktails, cocktails families; ingredients used in the bar, bar equipment, basic rules in cocktail mixing, cocktail preparation, and concoction. *Credit: 3 units. Prerequisite: HRM 29.*

HRM 38: Housekeeping Procedures. This course introduces concepts of organization, communication, ethics, and policy within a hotel. The topics include room assignment, operations, procedures, housekeeping guestroom standards, and turn down service. *Credit: 3 units. Prerequisite: HRM 11.*

HRM 45: Asian Cuisine. The course is designed to understand the culinary arts and culture from various regions around Asia specifically Chinese, Japanese, Thai, Middle East, and Philippine cuisines. Furthermore, it will focus on

a specific region or country and introduce a range of recipes representing cooking styles and use of ingredients. *Credit: 3 units. Prerequisite: HRM 20.*

HRM 34: Catering and Event Planning. This course requires the students to complete at least three clients of on- premise catering and two clients of off-premise catering operations with emphasis on the event planning, entertainment, menu planning, costing, budgeting, preparing contract, marketing, food production, and service. *Credit: 3 units. Prerequisite: HRM 30.*

HRM 47A: Events Management. This course is designed to develop business projects and organize high-level business meetings, seminars, conferences, exhibitions, festivals, weddings, parties and sporting events. The topic includes conceptualization, staffing, legal compliance, risk management, financial control, documentation, and post evaluation. The students are expected to handle at least three major events as part of the culminating activity. *Credit: 4 units. Prerequisite: HRM 34.*

HRM 48: Foreign Language (same as FLn 11).

HRM 51: Cruise Management 1. The course employs experiential learning exercises that serve as an environment to interrupt ineffective habits to provide disruptive experiences as a way to learn new, effective in expansive ways. It is also about intangibles-authenticity, relationships, emotions, empathy and integrity. It pushes ownership of customer delivery to all concerned, to be read in caring about the customer, delivering credible and lasting business results that is distinctive and integrated – exceed customer expectations. *Credit: 3 units. Corequisite: HRM 16, 18 and 30.*

HRM 52: Cruise Management 2. This course will now focus on tangibles to equip the future crew members of the luxury liners with the skills and knowledge that will prepare them when they go on-board the ship. *Credit: 3 units. Prerequisite: HRM 51.*

HRM 53: Cruise Management 3. This course will focus on preparing the future crew's safety when they are at sea. *Credit: 3 units. Prerequisite: HRM 52.*

HRM 54A: Practicum 1. This course is designed for students who are on their incoming senior year in college. Students are assigned in different operating departments (front-of-the house and back-of-the-house) to accumulate no less than two hundred forty (240) hours in restaurant industry. *Credit: 3 units. Prerequisite: HRM 20 and HRM 34.*

HRM 54B: Practicum 2. This course is designed for 4th year Hotel and Restaurant Management (HRM) major(s) where they will be assigned in JRU industry partners (hotel) and/or in other establishments to complete the required number of hours of actual practice. The students will be required to attend

seminars sponsored by the school. This continuing activity enables the students to acquire contemporary knowledge and skills which they need in preparation to their entry into the real world of hotel or restaurant business. This course familiarizes students with business environment and on-the-job experience integrating theories/principles and concepts learned in their field of study to the realities of business world. To accumulate no less than three hundred (300) hours in hotel industry. *Credit: 4 units. Prerequisite: All academic requirements and HRM54A.*

DEPARTMENT OF TOURISM

TOURISM 11: Philippine Tourism. This course presents comprehensive survey of the major tourist destination areas in the Philippines. Major discussions will be on access, health and safety issues, geographical characteristics, major attractions, gastronomy and distinctive cultural attributes of the various regions of the country, national and local tourism organization relating to the development and promotion of tourism in the Philippines. *Credit: 3 units. Prerequisite: HRM 16.*

TOURISM 12: World Tourism. This course presents a comprehensive survey of the tourist destination in the world. Major discussions will be on international documentation, visa requirements, health and safety issues, geographical characteristics, access routes, major attractions, gastronomy, and distinctive cultural attributes of major tourist destination countries, international organization relating to tourism and their major functions. International tour is included. *Credit: 3 units. Prerequisite: HRM 16.*

TOURISM 14: Business Tourism Laws and Regulations. This course deals with the principles and guidelines of accreditation of the different classifications of hospitality establishments. *Credit: 3 units. Prerequisite: Trm 11.*

TOURISM 21: Travel Agency Management and Operation. This course provides familiarization and travel agency management and operation including documentation, selling, transporting, storing, advertising, and planning travel services. Provides hands-on training in computerized reservation, and incorporates key aspects of managing corporate travel. *Credit: 3 units. Prerequisite: HRM 32.*

TOURISM 22: Ecotourism. This course presents an overview of ecotourism as a form of sustainable development and discusses the principles and goals of ecotourism development. This subject also covers discussions on ecotourism planning and development process, including the institutional and legal frameworks for ecotourism, the need for collaborative planning and assessment criteria for ecotourism from a broad perspective with focus on ecotourism market segments and best practices. Course Field trip is included for actual exposure and learning. *Credit: 3 units. Prerequisite: Trm 23 and HRM 32.*

TOURISM 23: Tourism Marketing and Sales. This course presents the marketing mix (product, price, place, promotion, people, programming, packaging) concept of market, segmentation, targeting, and marketing planning as they relate to tourism, service quality and management. *Credit: 3 units. Prerequisite: HRM 32 and Mkt 31.*

TOURISM 24: Tourism Research Methods and Techniques. This presents the basic aspects of planning, execution, evaluation and application of research in the broad field of tourism with emphasis on the various quantitative and qualitative research methods and techniques to include an introduction to the Tourism Satellite Account System. *Credit: 3 units. Prerequisite: HRM 32 and Mat 22.*

TOURISM 25: Information Technology in Tourism. This course will equip the students with a comprehensive knowledge and hands-on experience in Computer Reservations in at least two (2) Global Distribution system used in the travel industry. *Credit: 3 units. Prerequisite: CSc 15 and MGT 30.*

TOURISM 26: Resort Management. This course shall equip the students with knowledge and understanding in resort management and operations such as organization, top management, operations: room, housekeeping, engineering and security, food and beverage division, marketing and associated activities, financial control and information management and human resources policy management. *Credit: 3 units. Prerequisite: Mgt 21 and Mkt 31.*

TOURISM 31: Tour and Travel Management. This course is designed to give students a general overview of tour and travel with emphasis on tour and travel promotions, tourist accommodations, transport firms and other organizations connected with travel and tour. It will help the students on how tour and travel work and how these can be made to work for them as tourist guides and ultimately their future career. *Credit: 3 units. Prerequisite: Trm 12, HRM 48.*

TOURISM 32: Tour and Travel. This course deals with an intensive On-the-Job training program of students in the different sections/departments of tour and travel agencies set-up. *Credit: 6 units. Prerequisite: Trm 15, 23 and 35.*

TOURISM 33: Tourism Impacts and Sustainability. This course deals with quantitative and qualitative approaches to the measurement of tourism impacts as well as in achieving sustainable development and growth. *Credit: 3 units. Prerequisite: Trm 24.*

TOURISM 35: Heritage Tourism. This course is designed to provide an understanding of the concepts of culture heritage tourism. Theory, practice, history, terminology and current issues of cultural heritage tourism planning and management will be examined. Additionally, basic survey of cultural and heritage components, motives and behavior of heritage tourists attraction (museums, arts,

festivals/events, urban/rural and landscapes) interpretation economic and policies will be discussed. *Prerequisite: Trm 12.*

COLLEGE OF NURSING

NCM 100A: Fundamentals of Nursing Practice. This course provides the students with the overview of nursing as a science, an art and a profession. It deals with the concept of man as a holistic being comprised of bio- psycho- socio and spiritual dimensions. It includes a discussion on the different roles of a nurse emphasizing health promotion, maintenance of health as well as prevention of illness utilizing the nursing process. It includes the basic nursing skills needed in the care of individual clients. *Credit: 5 units. Prerequisite: NSc 15, Nur 11.*

NCM 101A: Care of Mother, Child and Family. This course deals with the principles and techniques of caring for the normal mothers, infants, children and family and the application of principles and concepts on family and family health nursing process. *Credit: 8 units. Prerequisite: Nur 12.*

NCM 102A. Care of Mother, Child, Family and Population Group At-Risk or with Problems. This course deals with the concept of disturbances & pre-existing health problems of pregnant women and the pathologic changes during intrapartum and post partum periods. This course further deals with the common problems occurring during infancy to adolescence stage. *Credit: 11 units. Prerequisite: NCM101A.*

NCM 103A: Care of Clients with Problems in Oxygenation, Fluid and Electrolyte Balance, Metabolism and Endocrine. This course deals with the principles and techniques of nursing care management of sick clients across the lifespan with emphasis on the adult and the older person, population group in any setting with alterations/problems in oxygenation, fluid and electrolyte balance, metabolism and endocrine function. *Credit: 14 units. Prerequisite: NCM 102A.*

NCM 104A: Care of the Clients with Problems in Inflammatory and Immunologic Response, Perception and Coordination. This course deals with the concepts, principles and theories of human behavior and the care of the sick clients across the lifespan with emphasis on the adult and the older person, population group experiencing alterations in Inflammatory and Immunologic Response and perception and coordination in varied settings. *Credit: 9 units. Prerequisite: NCM 103A.*

NCM 105A: Care of Clients with Maladaptive Patterns of Behavior. The course is designed to focus on health and illness across the lifespan of clients, population groups with acute and chronic psychosocial difficulties and psychiatric illnesses. *Credit: 6 units. Prerequisite: Psy11, NCM 103A.*

NCM 106A: Care of Clients with Problems in Cellular Aberrations, Acute Biologic Crisis, Emergency and Disaster Nursing. It deals with the

principles and techniques of nursing care management of sick clients across the lifespan with emphasis on the adult and older persons with alterations/problems in cellular aberrations, acute biologic crisis, including emergency and disaster nursing and IV Therapy. *Credit: 11 units. Prerequisites: NCM 104A, NCM 105A.*

NCM 107A: Nursing Leadership and Management 1. This course deals with the concepts, principles, theories and methods of developing nursing leaders and managers in the hospital and community-based settings. It also includes ethico-moral/legal aspects of health care and nursing practice and the nurses' responsibilities for personal and professional growth. *Credit: 4 units. Prerequisite: NCM 104A, NCM 105A.*

NCM 107B: Nursing Leadership and Management 2. It provides opportunities for actual staff/head nursing experience in the hospital & to demonstrate managerial and leadership functions in the community. It also includes ethics moral/legal aspects of health care and nursing practice and the nurses responsibilities for personal and professional growth. *Credit: 3units RLE Clinical. Prerequisite: NCM 107A.*

NUR 11: Theoretical Foundations in Nursing. This course deals with the meta concepts of a person, health, environment and nursing as viewed by the different theorists. Likewise, it includes non-nursing theories such as systems, developmental and change theories. It presents how these concepts and theories serve as guide to nursing practice. It further deals with health as a multifactorial phenomenon and the necessary core competencies that the nurse needs to develop. *Credit: 3 units.*

NUR 12: Health Assessment. This course deals with concepts, principles & techniques of history taking using various tools, physical examination (head to toe), psychosocial assessment and interpretation of laboratory findings to arrive at a nursing diagnosis on the client across the lifespan in community and hospital settings. *Credit: 3 units. Prerequisite: NSc 13, NSc 16, NCM 100A.*

NUR 21: Community Health Nursing. This course focuses on the care of population groups and community as clients utilizing concepts and principles in community health development. It also describes problems, trends and issues in the Philippine and global health care systems affecting community health nursing practice. *Credit: 5 units. Prerequisite: NCM 100A, Nur 11, Nur 12.*

NUR 22: Pharmacology. This course deals with pharmacodynamics, pharmacokinetics, clinical/ therapeutic uses and toxicology of drugs and dosage calculations of drugs and solutions. It also includes nursing responsibilities such as administering drugs, assessing drug effects, intervening to make a drug more tolerable, and providing teaching about drugs and the drug regimen. It emphasizes the use of the nursing process to guide the way the nurse gives drugs

& to ensure patient safety and medical and legal standard. *Credit: 3 units. Prerequisite: Mat 11, NCM101A.*

NUR 23: Nursing Informatics. This course deals with the use of information technology system and data standards based on nursing informatics principles/theories. It further deals with the utilization of clinical information systems in the management and decision-making of patient care. A laboratory session shall be provided for practice application. *Credit: 3 units. Prerequisite: Mat 11.*

NUR 24: Nutrition and Diet Therapy. This course deals with the study of food in relation to health. It covers nutrients and other substances and their action, and interaction and balance in relation to health and diseases and the process by which organism ingests, digests, absorbs, transports, utilizes and excretes food substances. It will also focus in the therapeutic and food service aspects of the delivery of nutritional services in hospitals and other healthcare institutions. *Credit: 4 units. Prerequisite: NSc 35.*

NUR 26: Bioethics. This course deals with the application of ethico-moral and legal concepts and principles to issues that affect the practice of nursing. These provide the basis for appropriate decision making given varied situations, to prepare the learner to render effective, efficient and safe nursing care. Furthermore, related learning experiences provide opportunities to concretize commitment to nursing. The critical thinking process shall be used in the unit with the objective to develop the intellectual capacity to conceptualize and contextualize what students know about particular ethico-moral and legal issues. *Credit: 3 units. Prerequisite: Phi 21.*

NUR 32: Nursing Research 1. This is an introductory course intended to equip the nursing students with concepts, principles in research starting from an overview of the major phases of the research process. The course will include formulation of a research problem, selection of the research design, planning and choosing the appropriate research tools for data gathering. This course will require the student/group to present a research proposal in a colloquium with the application of knowledge and demonstration of skills and attitude in the conceptual, design and planning phases of the research process. *Credit: 3 units. Prerequisite: Mat 26.*

NUR 33: Nursing Research 2. This course is a continuation of Nursing Research 1 which includes collection of data, analysis, interpretation, summary and conclusion and recommendation. Advising is done throughout the practicum sessions. The course will provide the student/group an opportunity to undergo the final research defense process to appreciate data gathering, analyze and interpret results, disseminate the findings and make recommendations based on the results of their respective studies. *Credit: 2 units RLE Skills Lab. Prerequisite: Nur 32.*

NUR 34: Parent Child Nursing (Elective 1). It deals with the nursing interventions/strategies for the prevention and/or management of behavioral problems of children arising from parent child relationships. *Credit: 2 units.*

NUR 41: Care of the Chronically Ill and the Older Person. It deals with the concepts, principles and techniques of nursing care management of those with chronic illness and the older persons. *Credit: 2units. Prerequisite: NCM 34.*

NUR 42: Intensive Nursing Practicum. Actual application of the theories, principles and concepts of clinical nursing practice to groups of clients in varied settings to refine nursing skills in the different basic nursing services including community. Emphasis is placed on integrating the multiple roles of professional nursing as a vehicle to enhance critical thinking and communication skills. *Credit: 8 units RLE clinical. Prerequisite: NCM106A and NCM 107A.*

NUR 43: Competency Appraisal 1. This Course deals with the application of the concepts, principles and processes basic to the practice of nursing with emphasis on health promotion, health maintenance, disease prevention, risk reduction, curative & rehabilitative aspects of care for the mother, child and 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, perception & coordination. It includes the utilization of the nursing process and the core competencies under the (11) key areas of responsibility. *Credit: 3 units. Prerequisite: Nur 32 and NCM 105A.*

NUR 44: Competency Appraisal 2. This course deals with the application of the concepts, principles and 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 biologic crisis including disaster and emergency nursing. It includes the utilization of the nursing process and the core competencies under the eleven (11) key areas of responsibility, research, management & leadership skills in the practice of nursing. *Credit: 3units. Prerequisite: Nur 33, Nur 43, and NCM 106A, NCM107A.*